

# Kansas: 2002

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## 2002 Economic Census

*Vehicle Inventory and Use Survey*

Geographic Area Series



U S C E N S U S B U R E A U

*Helping You Make Informed Decisions*

U.S. Department of Commerce  
Economics and Statistics Administration  
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**2002 Economic Census**  
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## CONTENTS

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Vehicle Inventory and Use Survey .....	1
Tables	
1a. Trucks—Comparative Summary: 2002 and Earlier Years .....	11
1b. Trucks—Comparative Summary for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997 .....	11
2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997 .....	12
2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks— Measures of Sampling Variability: 2002 and 1997 .....	18
3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997 .....	24
3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997...	30
4. Trucks by Vehicle Size: 2002 .....	36
5. Trucks by Truck Type: 2002 .....	41
6. Truck Miles by Vehicle Size: 2002 .....	46
7. Truck Miles by Truck Type: 2002 .....	51
8. Truck Miles Distribution by Operational Characteristics: 2002 ..	56
Appendix	
Approximating Unpublished Relative Standard Errors .....	A-1

**Table 1a. Trucks—Comparative Summary: 2002 and Earlier Years**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys, and the 1992 and 1987 Truck Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002	1997	1992	1987	Vehicular and operational characteristics	2002	1997	1992	1987
<b>Total</b> .....	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>MODEL YEAR</b>				
<b>BUSINESS<sup>1</sup></b>					1 to 2 years old .....	13.3	12.6	9.6	10.1
Agriculture, forestry, fishing, or hunting .....	8.3	12.9	18.7	21.5	3 to 4 years old .....	13.3	13.4	9.7	14.4
Mining .....	S	.8	1.0	1.8	Over 4 years old .....	73.4	74.0	80.7	75.5
Construction .....	5.3	6.1	7.2	6.7	<b>VEHICLE ACQUISITION</b>				
Manufacturing .....	1.2	1.2	1.7	.9	New .....	32.1	32.5	33.5	39.3
Wholesale and retail trade .....	3.9	4.1	4.1	3.9	Used .....	63.3	63.1	64.0	58.3
For-hire transportation or warehousing .....	1.9	1.3	1.6	2.2	Not reported <sup>4</sup> .....	4.6	4.4	2.5	2.4
Utilities and all services .....	4.0	4.7	4.0	3.8	<b>TRUCK TYPE</b>				
Personal transportation .....	71.3	65.7	58.0	58.8	Single-unit trucks <sup>5</sup> .....	95.8	97.4	95.7	96.5
Other, not reported, and not applicable .....	3.6	3.2	3.8	.5	2 axles .....	94.6	95.9	93.9	94.9
<b>BODY TYPE</b>					3 axles or more .....	1.1	1.5	1.8	1.6
Pickup, minivan, other light vans, and sport utility .....	89.8	88.4	85.5	82.7	Trailer/axles not specified .....	V	N	N	N
Flatbed, stake, platform, and low boy .....	2.4	4.0	5.1	7.1	Combinations .....	4.2	2.6	4.3	3.5
Van <sup>2</sup> .....	3.4	.9	1.2	1.6	3 axles .....	.8	.2	1.0	.6
Service, utility .....	.4	.2	.3	.1	4 axles .....	1.5	.6	1.3	.9
Van, step, walk-in, or multistop .....	.4	.9	.5	.5	5 axles or more .....	1.7	1.8	2.0	1.9
Dump .....	1.9	.9	1.2	.7	Trailer/axles not specified .....	.2	V	V	V
Tank for liquids, gases, or dry bulk .....	.5	.4	.8	1.1	<b>RANGE OF OPERATION</b>				
Other and not applicable .....	1.1	4.2	5.5	6.2	50 miles or less .....	71.1	72.6	71.0	74.9
<b>VEHICLE SIZE</b>					51 to 200 miles .....	11.6	13.8	11.5	13.1
Light .....	89.6	90.4	87.3	85.5	201 miles or more .....	3.2	4.5	6.3	3.7
Medium .....	3.4	2.9	4.2	4.2	Off-the-road, not reported, and not applicable .....	14.1	9.1	11.2	8.2
Light-heavy .....	2.0	2.0	3.2	4.6	<b>FUEL TYPE</b>				
Heavy-heavy .....	4.9	4.7	5.3	5.7	Gasoline .....	86.1	93.6	92.1	93.5
<b>ANNUAL MILES</b>					All other fuels .....	11.8	6.0	7.3	6.4
Less than 5,000 <sup>3</sup> .....	24.2	26.0	27.5	33.0	Other, not reported, and not applicable .....	2.1	.3	.7	.1
5,000 to 9,999 .....	21.2	18.2	24.2	26.4					
10,000 to 19,999 .....	39.2	36.8	34.5	29.8					
20,000 to 29,999 .....	9.2	12.8	9.4	6.3					
30,000 or more .....	6.2	6.2	4.5	4.6					

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Includes open top trailers and all van except step, walk-in, or multistop.

<sup>3</sup>Includes vehicles not in use.

<sup>4</sup>For survey years prior to 2002, this includes vehicles leased from someone else.

<sup>5</sup>Excludes truck-tractors not in use.

Note: The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

**Table 1b. Trucks—Comparative Summary for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002	1997	Vehicular and operational characteristics	2002	1997
<b>Total</b> .....	<b>100.0</b>	<b>100.0</b>	<b>MODEL YEAR</b>		
<b>BUSINESS<sup>1</sup></b>			1 to 2 years old .....	3.9	6.6
Agriculture, forestry, fishing, or hunting .....	43.1	45.3	3 to 4 years old .....	7.6	5.3
Mining .....	1.6	1.6	Over 4 years old .....	88.5	88.1
Construction .....	14.3	14.5	<b>VEHICLE ACQUISITION</b>		
Manufacturing .....	2.4	2.4	New .....	28.4	24.5
Wholesale and retail trade .....	8.4	8.7	Used .....	67.7	69.2
For-hire transportation or warehousing .....	12.7	10.2	Not reported <sup>4</sup> .....	3.9	6.3
Utilities and all services .....	9.9	8.3	<b>TRUCK TYPE</b>		
Personal transportation .....	7	3.4	Single-unit trucks <sup>5</sup> .....	74.0	79.4
Other, not reported, and not applicable .....	7.0	5.6	2 axles .....	62.3	66.1
<b>BODY TYPE</b>			3 axles or more .....	11.3	13.3
Flatbed, stake, platform, and low boy .....	23.3	34.4	Trailer/axles not specified .....	.4	N
Van <sup>2</sup> .....	33.7	8.0	Combinations .....	26.0	20.6
Service, utility .....	4.2	1.8	3 axles .....	2.2	1.3
Van, step, walk-in, or multistop .....	4.3	7.7	4 axles .....	5.3	4.1
Dump .....	18.4	7.8	5 axles or more .....	17.0	15.2
Tank for liquids, gases, or dry bulk .....	5.1	3.8	Trailer/axles not specified .....	1.6	V
Other and not applicable .....	11.0	36.5	<b>RANGE OF OPERATION</b>		
<b>VEHICLE SIZE</b>			50 miles or less .....	62.3	60.5
Light .....	12.0	20.0	51 to 200 miles .....	12.6	13.9
Medium .....	20.1	22.1	201 miles or more .....	7.1	6.5
Light-heavy .....	19.8	17.4	Off-the-road, not reported, and not applicable .....	18.0	19.1
Heavy-heavy .....	48.0	40.6	<b>FUEL TYPE</b>		
<b>ANNUAL MILES</b>			Gasoline .....	45.8	60.2
Less than 5,000 <sup>3</sup> .....	52.5	53.9	All other fuels .....	50.5	37.0
5,000 to 9,999 .....	11.0	12.0	Other, not reported, and not applicable .....	3.7	2.7
10,000 to 19,999 .....	14.7	14.2			
20,000 to 29,999 .....	6.0	5.0			
30,000 or more .....	15.9	15.0			

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Includes open top trailers and all van except step, walk-in, or multistop.

<sup>3</sup>Includes vehicles not in use.

<sup>4</sup>For survey years prior to 2002, this includes vehicles leased from someone else.

<sup>5</sup>Excludes truck-tractors not in use.

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**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>Total</b> .....	<b>1 079.1</b>	<b>1 082.6</b>	<b>-3</b>	<b>13 236.6</b>	<b>13 726.2</b>	<b>-3.6</b>	<b>12.3</b>	<b>12.7</b>	<b>-3.3</b>
<b>BUSINESS<sup>1</sup></b>									
For-hire transportation or warehousing .....	20.0	14.5	38.5	1 005.3	995.1	1.0	50.2	68.8	-27.1
Vehicle leasing or rental .....	8.8	S	S	137.6	84.9	62.0	15.6	S	S
Agriculture, forestry, fishing, or hunting .....	89.3	140.1	-36.3	711.6	1 116.3	-36.3	8.0	8.0	V
Mining .....	S	8.6	S	S	80.8	S	S	9.3	S
Utilities .....	7.3	12.7	-42.9	97.6	176.9	-44.8	13.4	13.9	-3.4
Construction .....	56.9	65.7	-13.3	698.7	930.3	-24.9	12.3	14.2	-13.4
Manufacturing .....	12.9	13.2	-2.4	204.7	250.9	-18.4	15.8	19.0	-16.4
Wholesale trade .....	5.6	14.1	-60.1	112.9	308.6	-63.4	20.1	21.9	-8.2
Retail trade .....	36.2	30.6	18.3	830.9	516.2	61.0	22.9	16.9	36.1
Information services .....	.8	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services .....	11.5	N	N	61.9	N	N	5.4	N	N
Arts, entertainment, or recreation services .....	S	N	N	S	N	N	S	N	N
Accommodation or food services .....	1.0	N	N	38.5	N	N	37.7	N	N
Other services .....	23.0	N	N	429.4	N	N	18.7	N	N
Personal transportation .....	769.8	710.7	8.3	8 615.1	8 688.0	-8	11.2	12.2	-8.4
Not reported .....	7.2	V	N	108.9	V	N	15.2	V	N
Not applicable <sup>2</sup> .....	22.8	29.9	-23.8	S	S	S	S	S	S
<b>BODY TYPE</b>									
Single-unit trucks .....	1 055.4	1 060.8	-5	12 067.3	12 455.2	-3.1	11.4	11.7	-2.6
Pickup .....	562.3	595.5	-5.6	5 991.1	6 561.7	-8.7	10.7	11.0	-3.3
Minivan .....	108.0	123.3	-12.4	1 322.6	1 994.3	-33.7	12.2	16.2	-24.3
Other light vans .....	72.4	64.1	12.9	947.2	761.1	24.4	13.1	11.9	10.2
Sport utility .....	226.4	174.5	29.7	3 123.8	2 346.8	33.1	13.8	13.4	2.6
Armored .....	V	N	N	V	N	N	V	N	N
Beverage .....	S	V	S	S	V	S	S	V	S
Concrete mixer .....	1.0	1.2	-19.2	5.4	16.3	-66.8	5.5	13.4	-58.9
Concrete pumper .....	S	N	N	S	N	N	S	N	N
Crane .....	S	1.8	S	S	34.4	N	S	18.9	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	16.8	8.1	108.0	97.9	80.9	21.0	5.8	10.0	-41.8
Flatbed, stake, or platform .....	20.7	35.4	-41.5	115.5	212.0	-45.5	5.6	6.0	-6.9
Low boy .....	S	1.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Service, utility .....	4.6	2.3	103.0	54.6	18.7	192.0	11.9	8.3	43.8
Service, other .....	3.2	2.1	49.6	45.3	34.3	32.1	14.2	16.1	-11.7
Street sweeper .....	V	N	N	V	N	N	V	N	N
Tank, dry bulk .....	.7	S	S	1.0	S	S	1.4	S	S
Tank, liquids or gases .....	3.5	2.3	49.3	43.7	27.5	58.9	12.6	11.8	6.4
Tow/Wrecker .....	2.0	S	S	46.0	S	S	23.3	S	S
Trash, garbage, or recycling .....	2.1	2.6	-19.8	35.2	47.0	-25.1	16.9	18.1	-6.6
Vacuum .....	S	N	N	S	N	N	S	N	N
Van, basic enclosed .....	5.6	2.7	109.4	74.3	57.1	30.2	13.4	21.5	-37.8
Van, insulated nonrefrigerated .....	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated .....	.6	S	S	S	S	S	S	S	S
Van, open top .....	18.0	26.2	-31.3	25.3	72.2	-64.9	1.4	2.8	-48.9
Van, step, walk-in, or multistop .....	4.7	9.6	-50.7	93.8	119.7	-21.6	19.8	12.4	58.9
Van, other .....	1.5	N	N	23.0	N	N	15.0	N	N
Other .....	V	N	N	V	N	N	V	N	N
Truck-tractors .....	23.7	21.8	8.7	1 169.2	1 271.0	-8.0	49.4	58.3	-15.3
Automobile carrier .....	S	V	S	S	V	S	S	V	S
Beverage .....	.5	S	S	6.8	S	S	12.8	S	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	3.4	1.7	100.1	106.7	102.7	3.9	31.0	59.6	-48.0
Flatbed, stake, or platform .....	3.5	2.2	57.0	139.8	107.3	30.3	39.6	47.7	-17.0
Livestock .....	1.1	1.2	-3.2	45.9	70.2	-34.6	40.5	59.9	-32.4
Low boy .....	1.4	1.8	-24.1	23.2	37.9	-38.8	17.0	21.1	-19.3
Mobile home toter .....	.1	N	N	S	N	N	S	N	N
Open top .....	4.1	5.2	-20.9	113.1	158.4	-28.6	27.5	30.5	-9.7
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	.6	.4	53.4	45.7	28.0	63.2	82.8	77.8	6.4
Tank, liquids or gases .....	.9	1.7	-47.8	65.2	118.6	-45.1	73.8	70.1	5.2
Van, basic enclosed .....	4.7	3.8	22.7	322.2	327.5	-1.6	68.9	85.9	-19.8
Van, drop-frame .....	S	.2	S	S	S	S	S	S	S
Van, insulated nonrefrigerated .....	S	.2	S	S	30.0	S	S	124.7	S
Van, insulated refrigerated .....	2.1	2.4	-10.3	271.2	264.0	2.7	128.0	111.7	14.6
Other .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>3</sup> .....	.7	N	N	V	N	N	V	N	N
<b>ANNUAL MILES</b>									
Less than 5,000 .....	238.4	255.4	-6.7	409.0	499.7	-18.1	1.7	2.0	-12.3
5,000 to 9,999 .....	229.2	196.9	16.4	1 613.4	1 369.0	17.9	7.0	7.0	1.3
10,000 to 19,999 .....	423.2	398.6	6.2	5 657.1	5 408.1	4.6	13.4	13.6	-1.5
20,000 to 29,999 .....	98.8	138.3	-28.6	2 214.3	3 109.4	-28.8	22.4	22.5	-3
30,000 to 49,999 .....	47.8	53.1	-10.0	1 714.9	1 829.8	-6.3	35.9	34.5	4.1
50,000 to 74,999 .....	9.0	3.7	145.9	532.3	207.7	156.3	59.0	56.6	4.2
75,000 or more .....	9.9	10.8	-8.6	1 059.0	1 302.5	-18.7	106.9	120.2	-11.1
Not applicable <sup>2</sup> .....	22.8	25.7	-11.2	S	V	S	S	V	S

See footnotes at end of table.

**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>PRIMARY RANGE OF OPERATION</b>									
Off-the-road .....	27.3	72.7	-62.5	457.4	519.6	-12.0	16.8	7.1	134.7
50 miles or less .....	766.9	785.5	-2.4	8 273.8	9 209.5	-10.2	10.8	11.7	-8.0
51 to 100 miles .....	89.8	105.2	-14.6	1 385.2	1 477.9	-6.3	15.4	14.1	9.8
101 to 200 miles .....	35.2	44.6	-21.1	702.9	997.7	-29.5	20.0	22.4	-10.7
201 to 500 miles .....	13.6	22.6	-39.5	306.5	786.6	-61.0	22.5	34.9	-35.6
501 miles or more .....	21.0	26.3	-20.4	677.5	734.9	-7.8	32.3	27.9	15.8
Not reported .....	102.5	25.7	298.9	1 396.8	V	N	13.6	V	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
<b>PRIMARY JURISDICTION</b>									
Operated in Canada .....	V	N	N	V	N	N	V	N	N
Operated in Mexico .....	V	N	N	V	N	N	V	N	N
Operated within the home base state .....	942.2	N	N	11 386.6	N	N	12.1	N	N
Operated in states other than the home base state .....	18.2	N	N	728.8	N	N	40.0	N	N
Not reported .....	95.8	N	N	1 084.7	N	N	11.3	N	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
<b>MONTHS OPERATED</b>									
12 .....	756.8	N	N	10 504.0	N	N	13.9	N	N
7 to 11 .....	115.2	N	N	1 600.9	N	N	13.9	N	N
2 to 6 .....	120.7	N	N	987.6	N	N	8.2	N	N
1 or less .....	63.7	N	N	107.5	N	N	1.7	N	N
Vehicle not used .....	22.8	N	N	S	N	N	S	N	N
<b>VEHICLE SIZE</b>									
Light .....	967.3	979.1	-1.2	11 387.9	11 839.6	-3.8	11.8	12.1	-2.6
Medium .....	37.1	30.9	20.0	323.2	182.3	77.3	8.7	5.9	47.8
Light-heavy .....	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
Heavy-heavy .....	52.8	50.8	3.9	1 404.3	1 546.1	-9.2	26.6	30.4	-12.6
<b>AVERAGE WEIGHT (POUNDS)</b>									
Less than 6,001 .....	705.4	901.8	-21.8	8 075.4	10 879.8	-25.8	11.4	12.1	-5.1
6,001 to 8,500 .....	211.6	N	N	2 572.0	N	N	12.2	N	N
8,501 to 10,000 .....	50.4	N	N	740.5	N	N	14.7	N	N
10,001 to 14,000 .....	26.6	15.1	76.1	250.6	94.2	166.1	9.4	6.2	51.1
14,001 to 16,000 .....	5.1	6.2	-18.5	34.3	43.4	-20.8	6.8	7.0	-2.8
16,001 to 19,500 .....	5.5	9.6	-43.1	38.3	44.7	-14.4	7.0	4.6	50.5
19,501 to 26,000 .....	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
26,001 to 33,000 .....	9.8	14.1	-30.2	66.6	77.3	-13.8	6.8	5.5	23.6
33,001 to 40,000 .....	6.8	4.3	56.7	45.1	48.5	-7.2	6.6	11.2	-40.8
40,001 to 50,000 .....	8.6	10.6	-18.8	99.1	259.8	-61.8	11.5	24.5	-53.0
50,001 to 60,000 .....	9.7	7.0	39.8	164.0	214.7	-23.6	16.9	30.9	-45.4
60,001 to 80,000 .....	14.8	13.7	8.4	867.4	884.3	-1.9	58.5	64.6	-9.5
80,001 to 100,000 .....	3.0	1.2	161.0	157.8	59.5	165.2	51.8	51.0	1.6
100,001 to 130,000 .....	S	S	S	S	S	S	S	S	S
130,001 or more .....	V	V	N	V	V	N	V	V	N
<b>TOTAL LENGTH (FEET)</b>									
Less than 20.0 .....	863.9	991.8	-12.9	10 094.9	11 897.8	-15.2	11.7	12.0	-2.6
20.0 to 27.9 .....	102.4	49.7	106.1	942.8	337.8	179.1	9.2	6.8	35.5
28.0 to 35.9 .....	77.3	14.9	420.5	894.4	175.1	410.8	11.6	11.8	-1.9
36.0 to 40.9 .....	11.4	2.2	411.0	134.9	34.0	296.6	11.8	15.2	-22.4
41.0 to 44.9 .....	2.0	S	S	37.0	53.4	-30.7	18.4	S	S
45.0 to 49.9 .....	1.9	2.8	-30.2	33.9	62.7	-45.9	17.5	22.5	-22.5
50.0 to 54.9 .....	3.0	1.9	60.6	68.3	77.4	-11.8	22.6	41.2	-45.1
55.0 to 59.9 .....	4.5	4.3	3.3	119.3	201.7	-40.8	26.8	46.8	-42.8
60.0 to 64.9 .....	4.8	4.6	5.1	249.9	242.4	3.1	51.6	52.6	-1.9
65.0 to 69.9 .....	4.5	4.4	1.3	383.7	404.2	-5.1	85.2	91.0	-6.3
70.0 to 74.9 .....	2.6	2.2	20.6	219.1	216.0	1.4	83.7	99.5	-15.9
75.0 to 79.9 .....	.6	N	N	54.9	N	N	93.3	N	N
80.0 or more .....	.2	N	N	S	N	N	S	N	N
<b>MILES PER GALLON</b>									
Less than 5 .....	16.8	14.2	18.2	294.9	225.1	31.0	17.6	15.9	10.8
5 to 6.9 .....	39.5	36.9	7.0	947.1	1 141.6	-17.0	24.0	30.9	-22.5
7 to 8.9 .....	37.1	28.9	28.7	334.1	339.1	-1.5	9.0	11.7	-23.4
9 to 10.9 .....	86.2	106.0	-18.6	881.3	775.5	13.6	10.2	7.3	39.6
11 to 12.9 .....	91.1	109.1	-16.5	896.7	1 024.5	-12.5	9.8	9.4	4.8
13 to 14.9 .....	72.7	139.6	-47.9	840.1	1 510.1	-44.4	11.6	10.8	6.8
15 or more .....	556.0	627.4	-11.4	7 426.3	8 566.0	-13.3	13.4	13.7	-2.2
15 to 20.9 .....	427.4	490.0	-12.8	5 884.6	6 306.7	-6.7	13.8	12.9	7.0
21 to 24.9 .....	95.9	112.4	-14.6	1 170.8	1 743.2	-32.8	12.2	15.5	-21.3
25 or more .....	32.7	25.0	30.8	370.9	S	S	11.3	S	S
Not reported .....	156.7	20.5	663.0	1 579.5	144.1	995.9	10.1	7.0	43.6
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N

See footnotes at end of table.



**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>MODEL YEAR</b>									
2003 .....	S	N	N	S	N	N	S	N	N
2002 .....	81.3	N	N	1 454.3	N	N	17.9	N	N
2001 .....	62.4	N	N	1 140.2	N	N	18.3	N	N
2000 .....	65.6	N	N	1 014.0	N	N	15.5	N	N
1999 .....	77.9	N	N	1 372.8	N	N	17.6	N	N
1998 .....	70.8	S	S	1 077.5	S	S	15.2	S	S
1997 .....	71.0	67.2	5.7	1 108.9	1 131.2	-2.0	15.6	16.8	-7.2
1996 .....	68.6	58.9	16.5	1 138.5	1 248.3	-8.8	16.6	21.2	-21.7
1995 .....	51.6	72.8	-29.2	625.1	1 446.0	-56.8	12.1	19.9	-39.0
1994 .....	51.6	72.0	-28.3	794.7	1 292.1	-38.5	15.4	17.9	-14.2
1993 .....	52.6	61.5	-14.5	740.1	962.0	-23.1	14.1	15.7	-10.0
Pre-1993 .....	425.6	739.8	-42.5	2 770.4	7 623.0	-63.7	6.5	10.3	-36.8
<b>VEHICLE ACQUISITION</b>									
New .....	346.5	351.5	-1.4	5 396.4	4 806.3	12.3	15.6	13.7	13.9
Used .....	683.3	683.6	V	7 211.5	7 881.8	-8.5	10.6	11.5	-8.5
Not reported .....	49.3	47.4	3.9	628.7	1 038.0	-39.4	12.8	21.9	-41.7
<b>LEASE CHARACTERISTICS</b>									
Leased .....	36.9	N	N	845.0	N	N	22.9	N	N
Lessee .....	29.8	N	N	704.6	N	N	23.6	N	N
Vehicle only .....	5.9	N	N	318.3	N	N	53.8	N	N
Vehicle with driver .....	1.3	N	N	127.3	N	N	96.1	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>4</sup> .....	22.5	N	N	257.4	N	N	11.5	N	N
Lessor .....	S	N	N	81.2	N	N	S	N	N
Vehicle only .....	.8	N	N	48.6	N	N	64.2	N	N
Vehicle with driver .....	S	N	N	S	N	N	S	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not applicable <sup>4</sup> .....	S	N	N	S	N	N	S	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not leased .....	654.7	N	N	8 083.3	N	N	12.3	N	N
Not reported .....	387.5	N	N	4 308.2	N	N	11.1	N	N
Length of leasing agreement:									
Leased .....	36.9	N	N	845.0	N	N	22.9	N	N
1 to 11 months .....	.2	N	N	10.5	N	N	57.3	N	N
12 months or more .....	7.9	N	N	488.2	N	N	61.6	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>4</sup> .....	28.6	N	N	338.6	N	N	11.9	N	N
Provisions of lease <sup>5</sup> :									
Financing only .....	4.3	N	N	180.8	N	N	42.1	N	N
Full maintenance .....	1.6	N	N	103.7	N	N	65.3	N	N
Payment of taxes .....	2.6	N	N	201.4	N	N	78.0	N	N
Obtaining licenses and permits .....	3.4	N	N	299.7	N	N	89.1	N	N
Recordkeeping .....	2.2	N	N	183.2	N	N	84.2	N	N
Fuel contract .....	.7	N	N	49.2	N	N	75.1	N	N
<b>PRIMARY OPERATOR CLASSIFICATION</b>									
Private .....	253.8	N	N	3 296.0	N	N	13.0	N	N
Motor carrier .....	15.7	N	N	837.6	N	N	53.3	N	N
Owner operator .....	8.1	N	N	313.8	N	N	38.6	N	N
Rental .....	8.8	N	N	137.6	N	N	15.6	N	N
Personal transportation .....	769.8	N	N	8 615.1	N	N	11.2	N	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract .....	6.4	N	N	508.1	N	N	79.3	N	N
Common .....	8.6	N	N	442.9	N	N	51.5	N	N
Not reported .....	2.8	N	N	66.6	N	N	23.6	N	N
Not applicable <sup>6</sup> .....	1 061.3	N	N	12 219.0	N	N	11.5	N	N
Type of service:									
Truckload .....	11.0	9.3	18.5	765.2	789.9	-3.1	69.8	85.4	-18.3
Less-than truckload .....	4.0	2.5	61.2	180.7	104.1	73.6	44.7	41.5	7.6
Not reported .....	2.8	N	N	71.6	N	N	25.4	N	N
Not applicable <sup>6</sup> .....	1 061.3	N	N	12 219.0	N	N	11.5	N	N
Source of hauls:									
Shippers or receivers .....	11.6	N	N	755.0	N	N	65.3	N	N
Brokers .....	.7	N	N	57.8	N	N	82.7	N	N
Centralized markets or exchanges .....	.5	N	N	13.5	N	N	25.1	N	N
Other .....	V	N	N	V	N	N	V	N	N
Not reported .....	5.0	N	N	191.2	N	N	38.0	N	N
Not applicable <sup>6</sup> .....	1 061.3	N	N	12 219.0	N	N	11.5	N	N
<b>HAZARDOUS MATERIALS CARRIED<sup>7</sup></b>									
Carrying hazardous materials .....	5.4	5.4	-3	244.9	403.9	-39.4	45.2	74.3	-39.2
Not carrying hazardous materials .....	87.7	102.4	-14.4	1 350.4	1 556.5	-13.2	15.4	15.2	1.3
Not reported .....	11.3	27.2	-58.3	225.5	263.1	-14.3	19.9	9.7	105.5
Not applicable <sup>8</sup> .....	974.6	N	N	11 415.7	N	N	11.7	N	N
<b>EQUIPMENT TYPE<sup>5 9</sup></b>									
Aerial work platform/bucket .....	1.7	N	N	12.3	N	N	7.3	N	N
Air bag(s) (safety device only) .....	540.8	236.1	129.1	7 977.7	4 476.8	78.2	14.8	19.0	-22.2
Air compressor (except air brakes) .....	4.0	N	N	107.6	N	N	27.1	N	N
Air-conditioning .....	852.3	764.4	11.5	11 514.0	11 439.1	.7	13.5	15.0	-9.7
Air springs .....	10.4	N	N	595.5	N	N	57.4	N	N

See footnotes at end of table.

**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.**

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Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>EQUIPMENT TYPE<sup>5 9</sup>—Con.</b>									
Antilock brake system .....	562.6	404.6	39.0	8 346.3	6 483.1	28.7	14.8	16.0	-7.4
Collision warning system .....	S	N	N	S	N	N	S	N	N
Computerized drive train control unit .....	126.5	N	N	1 688.0	N	N	13.3	N	N
Crane .....	2.5	N	N	31.9	N	N	12.5	N	N
Electronic vehicle identification device .....	.5	2.0	-75.8	41.3	187.6	-78.0	86.4	94.7	-8.8
Engine retarder/brake .....	12.1	10.3	17.8	780.6	833.4	-6.3	64.4	81.0	-20.5
Front-wheel drive .....	387.5	154.9	150.2	5 229.4	2 483.9	110.5	13.5	16.0	-15.9
Hoist .....	34.1	N	N	100.3	N	N	2.9	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.) .....	1.9	N	N	90.8	N	N	48.4	N	N
Internet access .....	.1	N	N	S	N	N	S	N	N
Lift gate .....	4.4	N	N	50.3	N	N	11.4	N	N
Mounting bar for snowplow .....	S	N	N	S	N	N	S	N	N
Navigational system .....	S	.4	S	S	42.0	S	S	95.4	S
Power take-off .....	41.7	N	N	528.8	N	N	12.7	N	N
Radial tires .....	727.2	835.3	-12.9	9 201.7	11 810.5	-22.1	12.7	14.1	-10.5
Reflective material in addition to those required by law .....	8.4	16.3	-48.3	283.9	619.1	-54.2	33.6	37.9	-11.3
Road speed governor .....	21.2	22.6	-6.0	788.6	892.3	-11.6	37.1	39.5	-6.0
Toolbox .....	144.6	N	N	1 908.1	N	N	13.2	N	N
Trip recorder or on-board computer with communication capabilities .....	41.1	N	N	713.4	N	N	17.3	N	N
Trip recorder or on-board computer without communication capabilities .....	168.9	N	N	2 178.6	N	N	12.9	N	N
Vehicle control aids for handicapped drivers .....	S	S	S	S	S	S	S	S	S
Wheelchair lift .....	S	S	S	S	S	S	S	S	S
Winch .....	15.4	N	N	221.9	N	N	14.4	N	N
Transmission type:									
Automatic .....	807.8	N	N	9 933.5	N	N	12.3	N	N
Manual .....	242.4	N	N	2 970.9	N	N	12.3	N	N
Semiautomated manual .....	.5	N	N	S	N	N	S	N	N
Automated manual .....	.1	N	N	S	N	N	S	N	N
Not reported .....	28.3	N	N	312.1	N	N	11.0	N	N
Braking system:									
Hydraulic (standard) .....	36.7	37.2	-1.4	283.7	247.5	14.6	7.7	6.6	16.3
Hydraulic with power assist .....	26.9	36.0	-25.3	197.1	249.1	-20.9	7.3	6.9	6.0
Air .....	40.7	38.5	5.8	1 303.4	1 463.1	-10.9	32.0	38.0	-15.8
Other .....	V	1.3	N	V	S	S	V	S	S
Not reported .....	5.6	N	N	67.7	N	N	12.1	N	N
Not applicable <sup>10</sup> .....	969.1	N	N	11 384.6	N	N	11.7	N	N
<b>FUEL TYPE AND ENGINE SIZE</b>									
Fuel type:									
Gasoline .....	929.1	1 013.3	-8.3	10 574.2	11 723.6	-9.8	11.4	11.6	-1.6
Diesel .....	105.3	61.2	72.1	2 270.0	1 973.0	15.1	21.6	32.2	-33.1
Natural gas .....	V	N	N	V	N	N	V	N	N
Propane .....	1.2	N	N	S	N	N	S	N	N
Alcohol fuels .....	S	N	N	S	N	N	S	N	N
Electricity .....	V	N	N	V	N	N	V	N	N
Combination .....	18.6	N	N	322.2	N	N	17.3	N	N
Other .....	V	N	N	V	N	N	V	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
Cylinders <sup>11</sup> :									
4 cylinders .....	96.3	123.6	-22.1	1 098.8	1 442.8	-23.8	11.4	11.7	-2.3
6 cylinders .....	413.6	410.1	.8	6 212.0	6 844.6	-9.2	15.0	16.7	-10.0
8 cylinders .....	523.0	476.9	9.7	5 645.2	5 145.3	9.7	10.8	10.8	V
Other .....	46.2	72.0	-35.8	280.5	293.4	-4.4	6.1	4.1	48.8
Cubic inch displacement <sup>11</sup> :									
Gasoline fuel:									
Less than 200 .....	182.3	223.0	-18.3	2 077.6	2 837.5	-26.8	11.4	12.7	-10.4
200 to 299 .....	284.9	226.7	25.7	4 100.5	3 398.9	20.6	14.4	15.0	-4.0
300 to 349 .....	187.8	186.0	.9	2 343.9	2 052.6	14.2	12.5	11.0	13.1
350 to 399 .....	182.5	218.4	-16.5	1 571.1	2 552.6	-38.5	8.6	11.7	-26.3
400 or more .....	47.9	60.5	-20.9	1 372.9	555.5	32.9	7.8	9.2	-15.2
Not available .....	43.8	98.7	-55.6	108.2	326.5	-66.9	2.5	3.3	-25.3
Diesel fuel:									
Less than 400 .....	105.3	61.2	72.1	2 270.0	1 973.0	15.1	21.6	32.2	-33.1
400 to 599 .....	22.7	11.4	98.2	427.2	255.4	67.2	18.8	22.3	-15.6
600 to 799 .....	50.1	18.9	164.7	624.0	312.2	99.9	12.4	16.5	-24.5
800 or more .....	13.0	12.4	4.4	440.5	376.4	17.0	43.0	54.7	-21.5
Not available .....	9.3	11.5	-19.3	574.3	779.0	-26.3	44.2	62.6	-29.4
Other fuel .....	21.8	S	S	204.0	249.9	-18.4	22.0	21.7	1.2
Less than 400 .....	21.1	S	S	355.7	S	S	16.3	S	S
400 or more .....	.6	S	S	344.4	S	S	16.3	S	S
Not available .....	S	S	S	S	S	S	S	S	S
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
<b>REFUELING LOCATION</b>									
Gas station .....	897.7	N	N	10 943.6	N	N	12.2	N	N
Truck stop .....	25.9	N	N	911.8	N	N	35.2	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) .....	77.4	N	N	841.9	N	N	10.9	N	N
Other company's/contractor's facility not open to the public .....	7.4	N	N	S	N	N	S	N	N
Other .....	S	N	N	S	N	N	S	N	N
Not reported .....	45.8	N	N	418.5	N	N	9.1	N	N
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>MAINTENANCE<sup>5</sup></b>									
General maintenance performed by:									
None performed .....	37.7	16.6	126.9	290.5	189.1	53.6	7.7	11.4	-32.3
Company-owned maintenance facility .....	94.9	62.3	52.4	1 864.3	1 494.0	24.8	19.6	24.0	-18.1
General repair business or private mechanic .....	397.3	312.1	27.3	5 636.9	4 206.4	34.0	14.2	13.5	5.3
Dealership service department .....	223.4	243.7	-8.3	3 424.3	3 507.3	-2.4	15.3	14.4	6.5
Leasing company .....	S	S	S	95.5	98.3	-2.8	S	S	S
Individual not employed/paid by any maintenance type facility .....									
Other .....	451.5	594.6	-24.1	4 671.3	6 817.3	-31.5	10.3	11.5	-9.7
Not reported .....	V	13.6	N	V	230.3	N	V	16.9	N
Not applicable <sup>2</sup> .....	42.9	41.7	2.8	400.0	381.9	4.7	9.3	9.2	1.9
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed .....	828.2	72.7	1 038.5	10 208.7	950.1	974.5	12.3	13.1	-5.6
Company-owned maintenance facility .....	26.7	26.8	-.1	511.8	445.3	14.9	19.1	16.6	15.1
General repair business or private mechanic .....	51.9	138.8	-62.6	707.0	1 697.5	-58.3	13.6	12.2	11.4
Dealership service department .....	54.3	112.2	-51.6	830.2	2 052.2	-59.5	15.3	18.3	-16.5
Leasing company .....	S	.7	S	S	36.0	S	S	49.4	S
Component distributorship (engine, transmission, body, etc.) .....									
Individual not employed/paid by any repair type facility .....	S	20.5	S	107.6	444.9	-75.8	S	21.7	S
Other .....	51.1	119.0	-57.0	500.4	1 201.7	-58.4	9.8	10.1	-3.1
Not reported .....	V	7.5	N	V	83.7	N	V	11.1	N
Not applicable <sup>2</sup> .....	S	614.8	S	S	7 461.6	S	S	12.1	S
Not applicable <sup>2</sup> .....	22.8	N	N	S	N	N	S	N	N
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>									
Single-unit trucks and truck-tractors without trailer .....									
2 axles .....	1 034.4	1 054.9	-1.9	11 860.5	12 392.1	-4.3	11.5	11.7	-2.4
3 axles .....	1 021.0	1 038.2	-1.7	11 743.1	12 211.3	-3.8	11.5	11.8	-2.2
4 axles .....	11.6	15.2	-23.7	93.8	155.2	-39.6	8.1	10.2	-20.8
5 axles or more .....	1.0	1.5	-32.6	17.8	25.6	-30.2	18.0	17.3	3.6
Not reported .....	.3	N	N	5.6	N	N	21.9	N	N
Not reported .....	.5	V	N	S	V	S	S	V	S
Combinations .....									
Single-unit trucks with trailer .....	44.7	27.7	61.6	1 376.1	1 334.1	3.2	30.8	48.2	-36.2
3 axles .....	21.7	5.9	271.1	206.9	63.0	228.1	9.5	10.8	-11.6
4 axles .....	S	S	S	S	S	S	S	S	S
5 axles or more .....	14.2	4.6	212.3	160.5	36.7	337.5	11.3	8.1	40.1
Not reported .....	1.0	1.0	-2.2	20.0	25.5	-21.5	19.6	24.4	-19.7
Truck-tractors with single trailer .....	V	N	N	V	N	N	V	N	N
3 axles .....	22.2	21.6	2.8	1 101.5	1 249.6	-11.9	49.7	57.9	-14.3
4 axles .....	2.1	1.4	53.7	S	27.0	S	S	19.4	S
5 axles or more .....	2.2	2.4	-11.0	S	57.5	S	S	23.7	S
Not reported .....	16.9	17.7	-5.0	962.6	1 165.1	-17.4	57.1	65.7	-13.0
Truck-tractors with double trailers .....	1.0	N	N	41.7	N	N	40.7	N	N
5 axles .....	.8	.2	227.9	67.7	S	S	86.2	S	S
6 axles .....	.5	.2	164.6	S	S	S	S	S	S
7 axles .....	.2	S	S	19.6	S	S	88.6	S	S
8 axles or more .....	S	S	S	S	V	S	S	V	S
Not reported .....	V	V	N	V	V	N	V	V	N
Truck-tractors with triple trailers .....	V	V	N	V	V	N	V	V	N
7 axles .....	V	V	N	V	V	N	V	V	N
8 axles .....	V	V	N	V	V	N	V	V	N
9 axles .....	V	V	N	V	V	N	V	V	N
10 axles or more .....	V	V	N	V	V	N	V	V	N
Not reported .....	V	V	N	V	V	N	V	V	N
Driving axles:									
1 .....	656.9	776.8	-15.4	6 815.1	8 580.0	-20.6	10.4	11.0	-6.1
2 .....	421.9	305.4	38.1	6 418.3	5 140.4	24.9	15.2	16.8	-9.6
3 or more .....	S	S	S	S	S	S	S	S	S
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations <sup>12</sup> :									
None .....	106.7	46.4	129.9	1 816.0	861.2	110.9	17.0	18.5	-8.3
1 .....	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
Forward of the drive axle .....	1.7	N	N	17.2	N	N	10.0	N	N
Below the chassis .....	.5	N	N	7.9	N	N	14.7	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	.4	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
Forward of the drive axle .....	.3	N	N	5.6	N	N	21.9	N	N
Below the chassis .....	V	N	N	V	N	N	V	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Not applicable <sup>10</sup> .....	969.1	N	N	11 384.6	N	N	11.7	N	N
Total liftable axles and number of braking axles:									
None .....	106.7	46.4	129.9	1 816.0	861.2	110.9	17.0	18.5	-8.3
1 .....	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
0 braking .....	.5	N	N	S	N	N	S	N	N
1 braking .....	2.1	N	N	26.1	N	N	12.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
0 braking .....	V	N	N	V	N	N	V	N	N
1 braking .....	V	N	N	V	N	N	V	N	N
2 or more braking .....	.3	N	N	5.6	N	N	21.9	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Not applicable <sup>10</sup> .....	969.1	N	N	11 384.6	N	N	11.7	N	N

See footnotes at end of table.

**Table 2a. Trucks, Truck Miles, and Average Annual Miles for All Trucks: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>CAB TYPE</b>									
Conventional cab .....	101.0	96.6	4.5	1 759.7	1 757.0	.2	17.4	18.2	-4.2
With sleeper .....	10.6	N	N	800.6	N	N	75.2	N	N
Without sleeper .....	89.9	N	N	930.9	N	N	10.4	N	N
Not reported .....	.4	N	N	28.2	N	N	63.8	N	N
Cab over engine .....	8.6	10.7	-19.8	90.8	111.6	-18.6	10.6	10.4	1.5
With sleeper .....	1.7	N	N	30.4	N	N	17.6	N	N
Without sleeper .....	6.9	N	N	60.3	N	N	8.8	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Cab forward of engine .....	S	2.7	S	S	41.5	S	S	15.4	S
Cab beside engine .....	S	1.8	S	S	39.9	S	S	21.7	S
Not reported .....	.2	N	N	S	N	N	S	N	N
Not applicable <sup>10</sup> .....	969.1	N	N	11 384.6	N	N	11.7	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>3</sup>Truck-tractors not in use.

<sup>4</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

<sup>5</sup>Detail lines do not add to total because items were not applicable or multiple responses were possible.

<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>7</sup>Distributed miles data are available in Table 8.

<sup>8</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>9</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

<sup>10</sup>Pickups, minivans, other light vans, and sport utilities.

<sup>11</sup>Data were derived from administrative records.

<sup>12</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: Table 2b provides estimated measures of sampling variability. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>Total</b> .....	<b>.5</b>	<b>.6</b>	<b>.8</b>	<b>3.3</b>	<b>3.1</b>	<b>4.3</b>	<b>3.2</b>	<b>3.0</b>	<b>4.3</b>
<b>BUSINESS</b>									
For-hire transportation or warehousing .....	18.1	13.0	30.9	10.7	6.5	12.7	12.1	9.8	11.4
Vehicle leasing or rental .....	46.4	S	S	46.4	44.7	104.3	25.2	S	S
Agriculture, forestry, fishing, or hunting .....	10.3	8.0	8.3	19.2	13.1	14.8	13.7	8.7	16.2
Mining .....	S	38.4	S	S	34.4	S	S	23.1	S
Utilities .....	41.4	32.2	29.9	42.6	37.9	31.5	7.4	15.8	16.9
Construction .....	16.0	13.3	18.0	19.2	16.6	19.1	10.9	10.6	13.2
Manufacturing .....	35.7	30.8	46.0	35.4	28.3	37.0	19.2	19.2	22.7
Wholesale trade .....	38.8	29.3	19.4	35.5	28.4	16.6	9.1	9.8	12.2
Retail trade .....	21.4	20.4	34.9	25.2	25.1	57.2	12.2	15.0	26.4
Information services .....	40.5	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services .....	36.2	N	N	22.6	N	N	26.6	N	N
Arts, entertainment, or recreation services .....	S	N	N	S	N	N	S	N	N
Accommodation or food services .....	34.1	N	N	48.5	N	N	36.1	N	N
Other services .....	27.8	N	N	37.1	N	N	23.2	N	N
Personal transportation .....	2.4	2.5	3.8	4.6	4.8	6.6	4.0	4.1	5.2
Not reported .....	41.8	N	N	35.7	N	N	16.7	N	N
Not applicable <sup>1</sup> .....	27.2	20.7	26.1	S	S	S	S	S	S
<b>BODY TYPE</b>									
Single-unit trucks .....	.5	.6	.8	3.5	3.3	4.7	3.5	3.3	4.7
Pickup .....	1.2	1.0	1.5	5.5	5.4	7.0	5.3	5.3	7.2
Minivan .....	11.8	9.5	13.3	14.7	10.9	12.1	8.8	5.3	7.8
Other light vans .....	15.1	14.6	23.8	24.3	20.9	39.9	19.0	15.0	26.6
Sport utility .....	6.6	7.1	12.6	8.6	9.2	16.7	5.4	5.8	8.1
Armored .....	N	N	N	N	N	N	N	N	N
Beverage .....	S	N	S	S	N	S	S	N	S
Concrete mixer .....	22.3	17.4	22.9	27.1	22.2	11.6	21.9	13.8	10.6
Concrete pumper .....	S	N	N	S	N	N	S	N	N
Crane .....	S	28.6	S	S	45.4	S	S	38.0	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	7.4	12.4	30.1	17.1	16.0	28.4	16.4	15.6	13.1
Flatbed, stake, or platform .....	6.9	6.0	5.3	13.0	13.3	10.1	11.0	11.7	15.0
Low boy .....	S	41.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Service, utility .....	16.4	21.0	68.0	19.6	41.7	134.5	10.9	28.7	44.2
Service, other .....	19.9	29.6	53.3	24.2	40.5	62.4	14.2	26.9	26.9
Street sweeper .....	N	N	N	N	N	N	N	N	N
Tank, dry bulk .....	38.9	S	S	40.6	S	S	34.8	S	S
Tank, liquids or gases .....	17.2	25.9	46.4	23.1	31.6	62.2	16.1	22.6	29.5
Tow/Wrecker .....	24.0	S	S	39.8	S	S	30.7	S	S
Trash, garbage, or recycling .....	19.9	20.2	22.8	20.7	20.6	21.9	13.6	12.6	17.3
Vacuum .....	S	N	N	S	N	N	S	N	N
Van, basic enclosed .....	14.3	25.3	60.9	18.8	37.1	54.2	13.2	30.2	20.5
Van, insulated nonrefrigerated .....	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated .....	47.0	S	S	S	S	S	S	S	S
Van, open top .....	7.4	7.1	7.1	12.9	11.8	6.2	11.5	9.8	7.7
Van, step, walk-in, or multistop .....	16.4	21.4	13.3	22.6	18.6	23.0	15.6	17.4	37.1
Van, other .....	29.8	N	N	40.8	N	N	27.9	N	N
Other .....	N	N	N	N	N	N	N	N	N
Truck-tractors .....	3.3	3.8	5.5	5.6	4.3	6.5	5.1	4.3	5.6
Automobile carrier .....	S	N	S	S	N	S	S	N	S
Beverage .....	40.7	S	S	40.9	S	S	33.8	S	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	10.9	14.6	36.4	16.0	17.7	24.8	13.5	10.0	8.8
Flatbed, stake, or platform .....	12.3	15.3	30.8	15.5	18.9	31.9	13.6	16.4	17.7
Livestock .....	20.4	24.2	30.6	25.7	23.7	22.9	21.2	22.4	20.9
Low boy .....	15.9	17.9	18.1	23.5	31.3	23.9	17.4	19.8	21.2
Mobile home toter .....	49.2	N	N	S	N	N	S	N	N
Open top .....	9.7	10.9	11.6	16.0	13.8	15.1	13.9	13.3	17.3
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	25.3	32.7	63.5	29.5	40.6	82.0	15.2	24.0	30.3
Tank, liquids or gases .....	19.8	18.5	14.2	22.4	19.4	16.3	10.4	10.3	15.4
Van, basic enclosed .....	9.6	10.7	17.6	12.1	11.3	16.3	6.8	6.4	7.5
Van, drop-frame .....	S	49.3	S	S	S	S	S	S	S
Van, insulated nonrefrigerated .....	S	40.1	S	S	40.6	S	S	5.9	S
Van, insulated refrigerated .....	14.9	12.2	17.2	18.3	12.9	23.0	7.4	4.2	9.8
Other .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup> .....	27.5	N	N	N	N	N	N	N	N
<b>ANNUAL MILES</b>									
Less than 5,000 .....	7.4	6.2	9.0	10.2	8.4	10.8	6.3	5.1	7.1
5,000 to 9,999 .....	8.1	8.0	13.2	8.4	8.2	13.8	2.1	1.8	2.8
10,000 to 19,999 .....	5.2	4.9	7.6	5.3	5.1	7.7	1.4	1.3	1.9
20,000 to 29,999 .....	13.3	9.9	11.8	13.3	10.0	11.9	1.7	1.2	2.1
30,000 to 49,999 .....	18.9	16.2	22.4	19.0	16.2	23.4	2.9	2.8	4.2
50,000 to 74,999 .....	39.8	15.8	105.2	39.8	15.1	109.1	6.8	1.9	7.3
75,000 or more .....	20.9	16.0	24.1	15.7	19.6	20.4	6.5	4.0	6.8
Not applicable <sup>1</sup> .....	27.2	22.3	31.2	S	N	S	S	N	S

See footnotes at end of table.

**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>PRIMARY RANGE OF OPERATION</b>									
Off-the-road .....	23.9	12.9	10.2	41.9	18.5	40.3	30.4	12.3	77.0
50 miles or less .....	2.7	2.3	3.4	4.5	3.8	5.3	3.7	2.9	4.3
51 to 100 miles .....	13.8	11.3	15.2	16.4	13.4	19.8	10.2	8.0	14.2
101 to 200 miles .....	22.4	17.6	22.5	22.6	17.7	20.2	13.2	12.3	16.1
201 to 500 miles .....	33.7	24.3	25.1	16.1	34.1	14.7	24.8	27.5	23.8
501 miles or more .....	27.8	22.5	28.4	15.2	11.8	17.8	19.7	15.9	29.3
Not reported .....	12.9	22.3	102.8	17.3	N	N	11.7	N	N
Not applicable <sup>1</sup> .....	27.2	N	N	S	N	N	S	N	N
<b>PRIMARY JURISDICTION</b>									
Operated in Canada .....	N	N	N	N	N	N	N	N	N
Operated in Mexico .....	N	N	N	N	N	N	N	N	N
Operated within the home base state .....	1.6	N	N	3.7	N	N	3.4	N	N
Operated in states other than the home base state .....	25.6	N	N	9.8	N	N	21.6	N	N
Not reported .....	13.3	N	N	19.6	N	N	14.4	N	N
Not applicable <sup>1</sup> .....	27.2	N	N	S	N	N	S	N	N
<b>MONTHS OPERATED</b>									
12 .....	2.7	N	N	4.0	N	N	3.1	N	N
7 to 11 .....	11.8	N	N	14.8	N	N	10.7	N	N
2 to 6 .....	11.2	N	N	21.1	N	N	17.5	N	N
1 or less .....	14.3	N	N	40.0	N	N	36.0	N	N
Vehicle not used .....	27.2	N	N	S	N	N	S	N	N
<b>VEHICLE SIZE</b>									
Light .....	.8	.7	1.1	3.8	3.5	4.9	3.7	3.4	4.9
Medium .....	15.3	9.9	21.8	20.6	15.5	45.7	12.7	11.1	24.9
Light-heavy .....	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
Heavy-heavy .....	2.8	3.6	4.7	4.9	3.8	5.6	5.0	4.5	5.9
<b>AVERAGE WEIGHT (POUNDS)</b>									
Less than 6,001 .....	2.9	1.3	2.5	5.2	3.8	4.8	4.4	3.6	5.4
6,001 to 8,500 .....	8.7	N	N	10.7	N	N	6.2	N	N
8,501 to 10,000 .....	18.4	N	N	28.3	N	N	20.9	N	N
10,001 to 14,000 .....	21.0	18.0	48.8	26.0	24.9	95.8	15.6	15.3	33.0
14,001 to 16,000 .....	15.8	16.9	18.9	29.2	23.0	29.4	24.3	15.9	28.2
16,001 to 19,500 .....	15.2	13.3	11.5	28.8	29.6	35.3	24.3	26.6	54.2
19,501 to 26,000 .....	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
26,001 to 33,000 .....	10.7	10.7	10.6	25.2	22.3	29.0	22.7	20.0	37.4
33,001 to 40,000 .....	12.4	16.5	32.4	34.0	20.8	37.0	32.0	19.0	22.0
40,001 to 50,000 .....	9.1	8.5	10.1	20.5	11.4	9.0	18.8	10.8	10.2
50,001 to 60,000 .....	6.4	8.9	15.3	23.0	12.6	20.0	21.4	9.6	12.8
60,001 to 80,000 .....	4.1	4.6	6.6	6.1	5.8	8.2	4.7	4.4	5.8
80,001 to 100,000 .....	11.0	24.2	69.5	13.9	25.3	76.6	10.0	23.9	26.4
100,001 to 130,000 .....	S	S	S	S	S	S	S	S	S
130,001 or more .....	N	N	N	N	N	N	N	N	N
<b>TOTAL LENGTH (FEET)</b>									
Less than 20.0 .....	1.8	.7	1.7	4.1	3.5	4.6	3.8	3.4	4.9
20.0 to 27.9 .....	10.8	4.6	24.2	17.0	10.0	54.9	11.9	9.1	20.3
28.0 to 35.9 .....	14.1	9.3	87.7	21.6	13.5	130.2	15.8	11.0	18.9
36.0 to 40.9 .....	32.2	21.3	197.5	37.5	22.7	174.0	25.2	21.3	25.6
41.0 to 44.9 .....	20.5	S	S	24.3	25.5	24.4	21.5	S	S
45.0 to 49.9 .....	20.2	21.3	20.5	29.9	26.5	21.6	26.2	21.5	26.2
50.0 to 54.9 .....	13.8	14.0	31.6	26.7	21.8	30.4	21.8	16.7	15.1
55.0 to 59.9 .....	10.5	11.8	16.3	14.5	13.0	11.5	13.0	12.2	10.2
60.0 to 64.9 .....	8.7	9.5	13.6	11.5	12.4	17.5	9.0	8.6	12.2
65.0 to 69.9 .....	9.3	8.5	12.8	12.6	9.7	15.1	8.4	4.8	9.1
70.0 to 74.9 .....	14.6	15.6	25.8	16.4	14.7	22.4	8.7	7.1	9.5
75.0 to 79.9 .....	24.4	N	N	28.3	N	N	14.3	N	N
80.0 or more .....	44.0	N	N	S	N	N	S	N	N
<b>MILES PER GALLON</b>									
Less than 5 .....	13.9	8.9	19.5	9.5	10.7	18.7	14.8	10.6	20.2
5 to 6.9 .....	9.8	5.0	11.8	6.8	4.8	6.9	8.1	5.7	7.7
7 to 8.9 .....	17.8	11.8	27.5	18.7	18.4	25.8	17.9	10.7	16.0
9 to 10.9 .....	13.5	10.9	14.1	25.1	16.2	34.0	21.0	12.3	34.0
11 to 12.9 .....	13.9	11.3	15.0	18.6	15.9	21.4	12.2	11.4	17.5
13 to 14.9 .....	15.9	9.9	9.8	19.0	12.9	12.8	10.3	8.1	14.0
15 or more .....	4.0	3.0	4.4	5.8	5.0	6.7	4.3	4.1	5.8
15 to 20.9 .....	5.2	4.1	5.7	7.1	5.4	8.3	4.9	3.6	6.5
21 to 24.9 .....	13.8	11.3	15.3	17.0	13.5	14.6	9.8	7.4	9.6
25 or more .....	24.6	25.2	46.1	28.4	S	S	14.1	S	S
Not reported .....	10.1	10.9	113.3	12.2	14.3	206.7	7.2	15.7	24.8
Not applicable <sup>1</sup> .....	27.2	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicle and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>MODEL YEAR</b>									
2003 .....	S	N	N	S	N	N	S	N	N
2002 .....	15.1	N	N	18.1	N	N	11.1	N	N
2001 .....	17.2	N	N	19.1	N	N	10.4	N	N
2000 .....	16.6	N	N	15.5	N	N	8.2	N	N
1999 .....	15.1	N	N	15.8	N	N	8.5	N	N
1998 .....	16.0	S	S	17.4	S	S	9.4	S	S
1997 .....	15.8	14.3	22.5	15.7	13.6	20.4	6.2	5.8	7.9
1996 .....	16.1	15.7	26.2	17.4	14.2	20.5	9.4	6.5	8.9
1995 .....	18.7	14.1	16.6	19.9	14.0	10.5	12.0	6.6	8.4
1994 .....	18.7	14.3	16.9	24.9	15.2	17.9	17.5	7.9	16.5
1993 .....	18.7	15.5	20.8	21.9	16.6	21.1	12.5	9.0	13.9
Pre-1993 .....	5.0	2.6	3.2	8.6	5.3	3.7	6.7	4.6	5.2
<b>VEHICLE ACQUISITION</b>									
New .....	6.0	5.4	8.0	7.3	6.4	10.9	4.8	4.3	7.4
Used .....	3.2	2.9	4.3	5.6	5.4	7.1	4.5	4.5	5.9
Not reported .....	19.1	16.5	26.3	19.1	12.9	14.0	9.6	8.0	7.3
<b>LEASE CHARACTERISTICS</b>									
Leased .....	20.5	N	N	12.3	N	N	11.3	N	N
Lessee .....	22.6	N	N	13.1	N	N	13.2	N	N
Vehicle only .....	12.3	N	N	11.5	N	N	9.8	N	N
Vehicle with driver .....	16.0	N	N	17.0	N	N	5.9	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>3</sup> .....	29.9	N	N	31.9	N	N	11.6	N	N
Lessor .....	S	N	N	40.2	N	N	S	N	N
Vehicle only .....	31.1	N	N	35.6	N	N	17.4	N	N
Vehicle with driver .....	S	N	N	S	N	N	S	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not applicable <sup>3</sup> .....	S	N	N	S	N	N	S	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not leased .....	3.4	N	N	5.4	N	N	4.3	N	N
Not reported .....	5.6	N	N	7.9	N	N	5.6	N	N
Length of leasing agreement:									
Leased .....	20.5	N	N	12.3	N	N	11.3	N	N
1 to 11 months .....	44.0	N	N	48.8	N	N	21.1	N	N
12 months or more .....	9.8	N	N	9.1	N	N	7.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>3</sup> .....	26.4	N	N	27.8	N	N	9.0	N	N
Provisions of lease:									
Financing only .....	15.2	N	N	15.4	N	N	11.7	N	N
Full maintenance .....	21.1	N	N	19.6	N	N	16.8	N	N
Payment of taxes .....	14.7	N	N	13.8	N	N	10.3	N	N
Obtaining licenses and permits .....	11.5	N	N	11.0	N	N	7.3	N	N
Recordkeeping .....	16.6	N	N	14.9	N	N	12.0	N	N
Fuel contract .....	29.5	N	N	28.3	N	N	21.2	N	N
<b>PRIMARY OPERATOR CLASSIFICATION</b>									
Private .....	6.7	N	N	10.2	N	N	6.9	N	N
Motor carrier .....	14.1	N	N	12.2	N	N	5.5	N	N
Owner operator .....	35.1	N	N	14.2	N	N	25.2	N	N
Rental .....	46.3	N	N	46.4	N	N	25.2	N	N
Personal transportation .....	2.4	N	N	4.6	N	N	4.0	N	N
Not applicable <sup>1</sup> .....	27.2	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract .....	8.8	N	N	8.3	N	N	5.5	N	N
Common .....	8.6	N	N	9.8	N	N	7.7	N	N
Not reported .....	17.8	N	N	20.0	N	N	12.9	N	N
Not applicable <sup>4</sup> .....	.5	N	N	3.5	N	N	3.5	N	N
Type of service:									
Truckload .....	5.9	7.2	11.1	6.1	6.8	8.8	4.7	5.3	5.8
Less-than truckload .....	15.7	23.3	45.3	19.1	20.5	48.6	13.7	17.7	24.1
Not reported .....	17.8	N	N	20.6	N	N	13.9	N	N
Not applicable <sup>4</sup> .....	.5	N	N	3.5	N	N	3.5	N	N
Source of hauls:									
Shippers or receivers .....	6.9	N	N	7.1	N	N	5.3	N	N
Brokers .....	22.3	N	N	24.3	N	N	9.8	N	N
Centralized markets or exchanges .....	40.7	N	N	40.7	N	N	29.1	N	N
Other .....	N	N	N	N	N	N	N	N	N
Not reported .....	12.2	N	N	13.2	N	N	10.6	N	N
Not applicable <sup>4</sup> .....	.5	N	N	3.5	N	N	3.5	N	N
<b>HAZARDOUS MATERIALS CARRIED<sup>5</sup></b>									
Carrying hazardous materials .....	12.9	12.1	17.6	15.0	10.0	10.9	12.3	10.2	9.7
Not carrying hazardous materials .....	1.7	2.1	2.3	4.9	4.3	5.7	4.8	4.2	6.5
Not reported .....	9.2	7.0	4.8	12.6	11.2	14.5	12.5	8.8	31.4
Not applicable <sup>6</sup> .....	.6	N	N	3.7	N	N	3.7	N	N

See footnotes at end of table.

**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>EQUIPMENT TYPE <sup>7</sup></b>									
Aerial work platform/bucket	27.5	N	N	37.3	N	N	24.2	N	N
Air bag(s) (safety device only)	4.0	6.8	18.1	5.5	8.7	18.3	3.8	6.1	5.6
Air compressor (except air brakes)	14.5	N	N	16.7	N	N	14.5	N	N
Air-conditioning	2.0	2.2	3.3	3.7	3.8	5.3	3.2	3.3	4.2
Air springs	5.6	N	N	7.5	N	N	5.5	N	N
Antilock brake system	3.9	4.7	8.5	5.1	6.5	10.6	3.6	4.7	5.5
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	11.8	N	N	13.0	N	N	6.9	N	N
Crane	20.4	N	N	23.3	N	N	12.3	N	N
Electronic vehicle identification device	27.1	19.2	8.0	32.0	16.1	7.9	17.1	12.3	19.2
Engine retarder/brake	4.4	5.7	8.5	6.0	6.4	8.2	4.4	4.1	4.8
Front-wheel drive	5.6	8.9	26.3	7.9	13.6	33.1	5.6	10.2	9.8
Hoist	4.8	N	N	9.6	N	N	9.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	19.6	N	N	19.8	N	N	15.6	N	N
Internet access	49.2	N	N	S	N	N	S	N	N
Lift gate	15.7	N	N	23.3	N	N	17.2	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	29.5	S	S	33.8	S	S	16.5	S
Power take-off	4.0	N	N	7.3	N	N	7.0	N	N
Radial tires	2.9	2.0	3.1	4.5	3.7	4.5	3.6	3.2	4.3
Reflective material in addition to those required by law	9.9	8.0	6.6	12.3	8.2	6.8	10.7	8.0	11.9
Road speed governor	5.6	6.4	8.0	7.0	6.4	8.4	6.2	6.5	8.5
Toolbox	10.0	N	N	13.6	N	N	10.3	N	N
Trip recorder or on-board computer with communication capabilities	21.1	N	N	20.8	N	N	11.5	N	N
Trip recorder or on-board computer without communication capabilities	9.9	N	N	11.5	N	N	6.4	N	N
Vehicle control aids for handicapped drivers	S	S	S	S	S	S	S	S	S
Wheelchair lift	S	S	S	S	S	S	S	S	S
Winch	30.5	N	N	31.3	N	N	15.6	N	N
Transmission type:									
Automatic	2.1	N	N	4.5	N	N	4.0	N	N
Manual	6.5	N	N	7.3	N	N	5.3	N	N
Semiautomated manual	45.9	N	N	S	N	N	S	N	N
Automated manual	49.2	N	N	S	N	N	S	N	N
Not reported	24.2	N	N	23.3	N	N	14.2	N	N
Braking system:									
Hydraulic (standard)	4.5	5.8	7.3	15.2	13.0	23.0	14.6	11.5	21.6
Hydraulic with power assist	5.8	6.0	6.2	11.7	12.5	13.6	10.1	11.0	15.8
Air	2.8	3.6	4.8	4.6	3.9	5.4	4.5	4.3	5.2
Other	N	34.3	N	N	S	N	N	N	S
Not reported	13.8	N	N	20.3	N	N	18.7	N	N
Not applicable <sup>9</sup>	.6	N	N	3.7	N	N	3.7	N	N
<b>FUEL TYPE AND ENGINE SIZE</b>									
Fuel type:									
Gasoline	1.5	.8	1.6	3.9	3.5	4.7	3.6	3.4	4.9
Diesel	9.4	8.5	21.9	9.1	6.2	12.7	7.9	5.8	6.5
Natural gas	N	N	N	N	N	N	N	N	N
Propane	34.0	N	N	S	N	N	S	N	N
Alcohol fuels	S	N	N	S	N	N	S	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	32.8	N	N	39.5	N	N	22.1	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>1</sup>	27.2	N	N	S	N	N	S	N	N
Cylinders <sup>9</sup> :									
4 cylinders	13.8	10.7	13.6	17.3	12.9	16.4	10.5	7.4	12.5
6 cylinders	5.0	4.5	6.8	5.7	4.9	6.8	4.0	3.4	4.8
8 cylinders	4.1	4.1	6.4	7.2	7.4	11.3	5.8	6.1	8.4
Other	12.2	8.5	9.6	34.5	18.2	37.3	25.9	16.6	45.8
Cubic inch displacement <sup>9</sup> :									
Gasoline fuel	1.5	.8	1.6	3.9	3.5	4.7	3.6	3.4	4.9
Less than 200	9.6	7.6	10.0	12.1	9.4	11.2	7.4	5.6	8.3
200 to 299	6.8	7.0	12.3	9.0	8.1	14.6	5.9	4.4	7.1
300 to 349	9.4	8.3	12.7	11.5	11.5	18.6	6.8	7.8	11.7
350 to 399	9.3	7.5	9.9	13.4	13.2	11.6	9.6	10.7	10.6
400 or more	19.0	15.1	19.2	26.7	19.2	22.0	19.2	12.7	19.5
Not available	13.0	9.1	7.1	38.0	16.4	13.7	31.1	12.5	25.0
Diesel fuel	9.4	8.5	21.9	9.1	6.2	12.7	7.9	5.8	6.5
Less than 400	26.0	30.0	78.6	39.8	35.3	89.0	28.8	20.9	30.0
400 to 599	16.4	20.6	69.8	17.5	21.3	55.1	11.8	11.5	12.5
600 to 799	6.5	7.9	15.3	9.6	9.4	15.7	8.1	7.5	8.7
800 or more	4.6	4.2	6.6	7.3	6.1	7.0	5.9	4.5	5.2
Not available	7.8	7.0	8.4	12.6	11.8	14.1	12.2	10.1	16.0
Other fuel	29.6	S	S	36.2	S	S	20.5	S	S
Less than 400	30.5	S	S	37.4	S	S	21.1	S	S
400 or more	49.7	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>1</sup>	27.2	N	N	S	N	N	S	N	N

See footnotes at end of table.



**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>REFUELING LOCATION</b>									
Gas station .....	1.7	N	N	4.1	N	N	3.7	N	N
Truck stop .....	18.2	N	N	7.4	N	N	14.2	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) .....	11.9	N	N	12.8	N	N	9.5	N	N
Other company's/contractor's facility not open to the public .....	48.8	N	N	S	N	N	S	N	N
Other .....	S	N	N	S	N	N	S	N	N
Not reported .....	19.8	N	N	22.9	N	N	12.4	N	N
Not applicable <sup>1</sup> .....	27.2	N	N	S	N	N	S	N	N
<b>MAINTENANCE</b>									
General maintenance performed by:									
None performed .....	22.0	28.4	81.5	45.0	23.8	78.2	38.5	18.6	28.9
Company-owned maintenance facility .....	11.6	11.2	24.6	10.8	8.5	17.1	7.4	6.9	8.3
General repair business or private mechanic ..	5.4	5.9	10.2	6.9	7.2	13.4	4.8	4.6	7.0
Dealership service department .....	8.2	6.9	9.8	9.1	7.8	11.7	5.1	4.6	7.3
Leasing company .....	S	S	S	31.8	33.9	45.2	S	S	S
Individual not employed/paid by any maintenance type facility .....									
Other .....	4.8	3.3	4.5	7.7	6.0	6.7	5.9	4.9	6.9
Not reported .....	N	34.3	N	N	41.9	N	N	25.4	N
Not applicable <sup>1</sup> .....	20.7	17.6	27.9	23.9	27.0	37.8	12.1	21.0	24.7
Extensive repairs performed by:									
None performed .....	2.3	13.9	160.0	4.4	15.8	176.4	3.8	9.0	9.2
Company-owned maintenance facility .....	24.0	18.1	30.0	24.7	15.1	33.3	18.7	14.0	26.9
General repair business or private mechanic ..	18.1	9.4	7.6	18.6	11.3	9.1	10.1	6.6	13.4
Dealership service department .....	18.3	10.6	10.2	18.8	10.0	8.6	10.1	6.1	9.9
Leasing company .....	S	34.6	S	S	30.2	S	S	32.1	S
Component distributorship (engine, transmission, body, etc.) .....									
Individual not employed/paid by any repair type facility .....	S	25.5	S	47.8	18.6	12.4	S	16.2	S
Other .....	18.9	10.4	9.3	25.8	13.2	12.1	17.9	7.7	18.9
Not reported .....	N	44.2	N	N	42.1	N	N	29.2	N
Not applicable <sup>1</sup> .....	S	3.3	S	S	5.8	S	S	4.8	S
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>									
Single-unit trucks and truck-tractors without trailer .....									
2 axles .....	.8	.6	1.0	3.6	3.4	4.7	3.5	3.3	4.7
3 axles .....	.8	.6	1.0	3.7	3.4	4.8	3.6	3.3	4.8
4 axles .....	5.7	7.5	7.2	9.2	10.6	8.5	8.3	9.7	10.1
5 axles or more .....	18.6	20.4	18.6	22.9	22.4	22.4	13.3	20.1	25.0
Not reported .....	37.1	N	N	42.9	N	N	21.5	N	N
Combinations .....	43.1	N	N	S	N	S	S	N	S
Single-unit trucks with trailer .....									
3 axles .....	13.2	7.3	24.4	6.8	4.2	8.3	10.8	7.2	8.3
4 axles .....	27.1	31.8	154.9	32.7	25.1	135.3	21.3	25.3	29.2
5 axles or more .....	S	S	S	S	S	S	S	S	S
Not reported .....	33.0	40.1	162.2	39.9	36.8	237.3	20.5	30.6	51.7
Truck-tractors with single trailer .....	21.9	26.3	33.4	32.0	32.6	35.9	23.3	25.6	27.8
3 axles .....	3.3	3.9	5.2	5.5	4.3	6.2	5.1	4.3	5.7
4 axles .....	21.0	28.8	54.8	S	36.5	S	S	38.6	S
5 axles or more .....	18.5	18.3	23.1	S	23.7	S	S	19.4	S
Not reported .....	3.0	3.8	4.6	4.8	4.6	5.5	4.1	3.9	4.9
Truck-tractors with double trailers .....	21.9	N	N	25.8	N	N	19.2	N	N
5 axles .....	33.8	40.2	172.3	41.0	S	S	18.5	S	S
6 axles .....	47.0	44.1	170.4	S	S	S	S	S	S
7 axles .....	40.1	S	S	40.9	S	S	7.9	S	S
8 axles or more .....	S	N	N	S	N	S	S	N	S
Not reported .....	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers .....	N	N	N	N	N	N	N	N	N
7 axles .....	N	N	N	N	N	N	N	N	N
8 axles .....	N	N	N	N	N	N	N	N	N
9 axles .....	N	N	N	N	N	N	N	N	N
10 axles or more .....	N	N	N	N	N	N	N	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Driving axles:									
1 .....	3.3	2.3	3.4	5.7	4.2	5.6	4.5	3.3	5.2
2 .....	5.2	5.7	10.6	6.5	7.5	12.3	4.6	5.8	6.7
3 or more .....	S	S	S	S	S	S	S	S	S
Not reported .....	37.1	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.9	4.7	10.9	4.1	6.1	15.5	4.1	6.1	6.7
1 .....	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
Forward of the drive axle .....	22.2	N	N	25.0	N	N	23.5	N	N
Below the chassis .....	40.7	N	N	44.9	N	N	46.6	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	45.7	N	N	S	N	N	S	N	N
2 or more .....	37.1	49.2	100.7	42.9	S	S	21.5	S	S
Forward of the drive axle .....	37.1	N	N	42.9	N	N	21.5	N	N
Below the chassis .....	N	N	N	N	N	N	N	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not reported .....	37.1	N	N	S	N	N	S	N	N
Not applicable <sup>8</sup> .....	.6	N	N	3.7	N	N	3.7	N	N

See footnotes at end of table.

**Table 2b. Trucks, Truck Miles, and Average Annual Miles for All Trucks—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>TRUCK TYPE AND AXLE ARRANGEMENT—Con.</b>									
Total liftable axles and number of braking axles:									
None .....	.9	4.7	10.9	4.1	6.1	15.5	4.1	6.1	6.7
1 .....	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
0 braking .....	45.9	N	N	S	N	N	S	N	N
1 braking .....	19.0	N	N	22.1	N	N	20.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
2 or more .....	37.1	49.2	100.7	42.9	S	S	21.5	S	S
0 braking .....	N	N	N	N	N	N	N	N	N
1 braking .....	N	N	N	N	N	N	N	N	N
2 or more braking .....	37.1	N	N	42.9	N	N	21.5	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not reported .....	37.1	N	N	S	N	N	S	N	N
Not applicable <sup>8</sup> .....	.6	N	N	3.7	N	N	3.7	N	N
<b>CAB TYPE</b>									
Conventional cab .....	1.1	2.3	2.7	4.2	3.9	5.7	4.2	3.9	5.5
With sleeper .....	4.9	N	N	7.1	N	N	5.2	N	N
Without sleeper .....	1.4	N	N	5.8	N	N	5.6	N	N
Not reported .....	28.3	N	N	35.1	N	N	20.7	N	N
Cab over engine .....	8.8	10.2	10.8	17.0	14.0	17.9	15.6	13.3	20.8
With sleeper .....	14.1	N	N	37.1	N	N	34.3	N	N
Without sleeper .....	10.5	N	N	17.5	N	N	15.2	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Cab forward of engine .....	S	25.0	S	S	34.3	S	S	24.8	S
Cab beside engine .....	S	32.2	S	S	38.7	S	S	19.5	S
Not reported .....	44.0	N	N	S	N	N	S	N	N
Not applicable <sup>9</sup> .....	.6	N	N	3.7	N	N	3.7	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>2</sup>Truck-tractors not in use.

<sup>3</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

<sup>4</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>5</sup>Distributed miles data are available in Table 8.

<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>7</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

<sup>8</sup>Pickups, minivans, other light vans, and sport utilities.

<sup>9</sup>Data were derived from administrative records.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>Total</b> .....	<b>110.0</b>	<b>125.2</b>	<b>-12.2</b>	<b>1 851.9</b>	<b>2 062.3</b>	<b>-10.2</b>	<b>16.8</b>	<b>16.5</b>	<b>2.2</b>
<b>BUSINESS<sup>1</sup></b>									
For-hire transportation or warehousing .....	13.9	12.8	8.8	874.4	965.3	-9.4	62.7	75.4	-16.8
Vehicle leasing or rental .....	.6	1.0	-40.6	28.6	35.9	-20.5	46.2	34.5	33.8
Agriculture, forestry, fishing, or hunting .....	47.4	56.7	-16.4	252.6	280.4	-9.9	5.3	4.9	7.7
Mining .....	1.7	2.0	-15.0	23.9	36.5	-34.6	13.8	18.0	-23.1
Utilities .....	3.1	2.8	9.9	40.3	27.6	46.2	13.0	9.8	33.0
Construction .....	15.7	18.1	-13.1	198.0	268.1	-26.2	12.6	14.8	-15.0
Manufacturing .....	2.6	3.1	-14.0	66.5	111.6	-40.4	25.2	36.4	-30.6
Wholesale trade .....	3.4	4.1	-18.0	73.9	109.5	-32.5	21.8	26.5	-17.7
Retail trade .....	5.8	6.8	-13.7	107.0	123.1	-13.0	18.3	18.2	.8
Information services .....	.8	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services .....	3.2	N	N	43.9	N	N	13.7	N	N
Arts, entertainment, or recreation services .....	S	N	N	S	N	N	S	N	N
Accommodation or food services .....	1.0	N	N	38.5	N	N	37.7	N	N
Other services .....	2.6	N	N	35.4	N	N	13.4	N	N
Personal transportation .....	.8	4.2	-80.8	S	S	S	S	V	N
Not reported .....	3.0	V	N	58.7	V	N	19.6	V	N
Not applicable <sup>2</sup> .....	4.0	6.0	-32.7	S	S	S	S	S	S
<b>BODY TYPE</b>									
Single-unit trucks .....	86.3	103.4	-16.6	682.7	791.3	-13.7	7.9	7.7	3.4
Armored .....	V	N	N	V	N	N	V	N	N
Beverage .....	S	V	S	S	V	S	S	V	S
Concrete mixer .....	1.0	1.2	-19.2	5.4	16.3	-66.8	5.5	13.4	-58.9
Concrete pumper .....	S	N	N	S	N	N	S	N	N
Crane .....	S	1.8	S	S	34.4	S	S	18.9	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	16.8	8.1	108.0	97.9	80.9	21.0	5.8	10.0	-41.8
Flatbed, stake, or platform .....	20.7	35.4	-41.5	115.5	212.0	-45.5	5.6	6.0	-6.9
Low boy .....	S	1.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Service, utility .....	4.6	2.3	103.0	54.6	18.7	192.0	11.9	8.3	43.8
Service, other .....	3.2	2.1	49.6	45.3	34.3	32.1	14.2	16.1	-11.7
Street sweeper .....	V	N	N	V	N	N	V	N	N
Tank, dry bulk .....	.7	S	S	1.0	S	S	1.4	S	S
Tank, liquids or gases .....	3.5	2.3	49.3	43.7	27.5	58.9	12.6	11.8	6.4
Tow/Wrecker .....	2.0	S	S	46.0	S	S	23.3	S	S
Trash, garbage, or recycling .....	2.1	2.6	-19.8	35.2	47.0	-25.1	16.9	18.1	-6.6
Vacuum .....	S	N	N	S	N	N	S	N	N
Van, basic enclosed .....	5.6	2.7	109.4	74.3	57.1	30.2	13.4	21.5	-37.8
Van, insulated nonrefrigerated .....	S	V	S	S	V	S	S	V	S
Van, insulated refrigerated .....	.6	S	S	S	S	S	S	S	S
Van, open top .....	18.0	26.2	-31.3	25.3	72.2	-64.9	1.4	2.8	-48.9
Van, step, walk-in, or multistop .....	4.7	9.6	-50.7	93.8	119.7	-21.6	19.8	12.4	58.9
Van, other .....	1.5	N	N	23.0	N	N	15.0	N	N
Other .....	V	N	N	V	N	N	V	N	N
Truck-tractors .....	23.7	21.8	8.7	1 169.2	1 271.0	-8.0	49.4	58.3	-15.3
Automobile carrier .....	S	V	S	S	V	S	S	V	S
Beverage .....	.5	S	S	6.8	S	S	12.8	S	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	3.4	1.7	100.1	106.7	102.7	3.9	31.0	59.6	-48.0
Flatbed, stake, or platform .....	3.5	2.2	57.0	139.8	107.3	30.3	39.6	47.7	-17.0
Livestock .....	1.1	1.2	-3.2	45.9	70.2	-34.6	40.5	59.9	-32.4
Low boy .....	1.4	1.8	-24.1	23.2	37.9	-38.8	17.0	21.1	-19.3
Mobile home toter .....	.1	N	N	S	N	N	S	N	N
Open top .....	4.1	5.2	-20.9	113.1	158.4	-28.6	27.5	30.5	-9.7
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	.6	4	53.4	45.7	28.0	63.2	82.8	77.8	6.4
Tank, liquids or gases .....	.9	1.7	-47.8	65.2	118.6	-45.1	73.8	70.1	5.2
Van, basic enclosed .....	4.7	3.8	22.7	322.2	327.5	-1.6	68.9	85.9	-19.8
Van, drop-frame .....	S	.2	S	S	S	S	S	S	S
Van, insulated nonrefrigerated .....	S	.2	S	S	30.0	S	S	124.7	S
Van, insulated refrigerated .....	2.1	2.4	-10.3	271.2	264.0	2.7	128.0	111.7	14.6
Other .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>3</sup> .....	.7	N	N	V	N	N	V	N	N
<b>ANNUAL MILES</b>									
Less than 5,000 .....	53.6	62.4	-14.0	63.4	94.0	-32.5	1.2	1.5	-21.5
5,000 to 9,999 .....	12.1	15.0	-19.3	83.2	99.0	-15.9	6.9	6.6	4.1
10,000 to 19,999 .....	16.2	17.7	-8.9	220.5	237.9	-7.3	13.7	13.4	1.7
20,000 to 29,999 .....	6.6	6.2	5.4	152.8	144.5	5.8	23.3	23.2	.3
30,000 to 49,999 .....	6.7	5.9	13.3	249.4	224.7	11.0	37.3	38.1	-2.1
50,000 to 74,999 .....	2.8	3.7	-22.6	173.0	207.7	-16.7	60.9	56.6	7.7
75,000 or more .....	7.9	9.2	-13.9	909.0	1 054.5	-13.8	115.0	114.9	.1
Not applicable <sup>2</sup> .....	4.0	5.1	-20.7	S	V	S	S	V	S

See footnotes at end of table.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>PRIMARY RANGE OF OPERATION</b>									
Off-the-road .....	6.6	18.9	-64.9	26.8	87.8	-69.4	4.1	4.7	-12.9
50 miles or less .....	68.6	75.8	-9.5	570.4	654.0	-12.8	8.3	8.6	-3.6
51 to 100 miles .....	9.5	11.4	-16.1	225.5	233.2	-3.3	23.6	20.5	15.2
101 to 200 miles .....	4.3	6.0	-28.8	189.5	343.1	-44.8	44.3	57.1	-22.4
201 to 500 miles .....	3.4	3.4	-.7	230.4	234.1	-1.6	68.4	69.0	-.9
501 miles or more .....	4.4	4.7	-5.8	474.2	510.0	-7.0	107.3	108.7	-1.3
Not reported .....	9.1	5.1	79.6	134.4	V	N	14.7	V	N
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N
<b>PRIMARY JURISDICTION</b>									
Operated in Canada .....	V	N	N	V	N	N	V	N	N
Operated in Mexico .....	V	N	N	V	N	N	V	N	N
Operated within the home base state .....	89.8	N	N	1 102.9	N	N	12.3	N	N
Operated in states other than the home base state .....	7.7	N	N	649.5	N	N	84.3	N	N
Not reported .....	8.4	N	N	98.9	N	N	11.8	N	N
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N
<b>MONTHS OPERATED</b>									
12 .....	43.7	N	N	1 291.1	N	N	29.5	N	N
7 to 11 .....	16.8	N	N	398.2	N	N	23.7	N	N
2 to 6 .....	23.1	N	N	140.8	N	N	6.1	N	N
1 or less .....	22.4	N	N	21.2	N	N	.9	N	N
Vehicle not used .....	4.0	N	N	S	N	N	S	N	N
<b>VEHICLE SIZE</b>									
Light .....	13.2	25.0	-47.0	142.3	198.9	-28.4	10.7	8.0	35.1
Medium .....	22.1	27.6	-20.1	184.2	159.1	15.8	8.3	5.8	44.8
Light-heavy .....	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
Heavy-heavy .....	52.8	50.8	3.9	1 404.3	1 546.1	-9.2	26.6	30.4	-12.6
<b>AVERAGE WEIGHT (POUNDS)</b>									
Less than 6,001 .....	3.8	9.0	-57.4	36.0	73.2	-50.8	9.4	8.1	15.5
6,001 to 8,500 .....	4.2	N	N	41.4	N	N	10.0	N	N
8,501 to 10,000 .....	5.2	N	N	64.9	N	N	12.4	N	N
10,001 to 14,000 .....	11.5	11.8	-2.1	111.6	71.0	57.1	9.7	6.0	60.4
14,001 to 16,000 .....	5.1	6.2	-18.5	34.3	43.4	-20.8	6.8	7.0	-2.8
16,001 to 19,500 .....	5.5	9.6	-43.1	38.3	44.7	-14.4	7.0	4.6	50.5
19,501 to 26,000 .....	21.8	21.7	.3	121.1	158.1	-23.4	5.6	7.3	-23.7
26,001 to 33,000 .....	9.8	14.1	-30.2	66.6	77.3	-13.8	6.8	5.5	23.6
33,001 to 40,000 .....	6.8	4.3	56.7	45.1	48.5	-7.2	6.6	11.2	-40.8
40,001 to 50,000 .....	8.6	10.6	-18.8	99.1	259.8	-61.8	11.5	24.5	-53.0
50,001 to 60,000 .....	9.7	7.0	39.8	164.0	214.7	-23.6	16.9	30.9	-45.4
60,001 to 80,000 .....	14.8	13.7	8.4	867.4	884.3	-1.9	58.5	64.6	-9.5
80,001 to 100,000 .....	3.0	1.2	161.0	157.8	59.5	165.2	51.8	51.0	1.6
100,001 to 130,000 .....	S	S	S	S	S	S	S	S	S
130,001 or more .....	V	V	N	V	V	N	V	V	N
<b>TOTAL LENGTH (FEET)</b>									
Less than 20.0 .....	26.2	37.6	-30.5	187.9	255.6	-26.5	7.2	6.8	5.8
20.0 to 27.9 .....	40.1	49.3	-17.0	294.5	322.9	-8.8	7.3	6.7	9.8
28.0 to 35.9 .....	14.4	14.9	-3.0	129.1	175.1	-26.3	9.0	11.8	-24.0
36.0 to 40.9 .....	5.1	2.2	129.7	70.8	34.0	108.1	13.8	15.2	-9.4
41.0 to 44.9 .....	2.0	1.5	34.8	37.0	46.7	-20.8	18.4	31.4	-41.3
45.0 to 49.9 .....	1.9	2.6	-24.6	33.9	62.6	-45.8	17.5	24.3	-28.2
50.0 to 54.9 .....	3.0	1.9	60.6	68.3	77.4	-11.8	22.6	41.2	-45.1
55.0 to 59.9 .....	4.5	4.3	3.3	119.3	201.7	-40.8	26.8	46.8	-42.8
60.0 to 64.9 .....	4.8	4.6	5.1	249.9	242.4	3.1	51.6	52.6	-1.9
65.0 to 69.9 .....	4.5	4.4	1.3	383.7	404.2	-5.1	85.2	91.0	-6.3
70.0 to 74.9 .....	2.6	2.2	20.6	219.1	216.0	1.4	83.7	99.5	-15.9
75.0 to 79.9 .....	.6	N	N	54.9	N	N	93.3	N	N
80.0 or more .....	.2	N	N	S	N	N	S	N	N
<b>MILES PER GALLON</b>									
Less than 5 .....	14.7	14.2	3.5	293.2	225.1	30.3	20.0	15.9	25.9
5 to 6.9 .....	33.1	36.5	-9.2	889.5	1 140.7	-22.0	26.9	31.3	-14.1
7 to 8.9 .....	16.1	23.4	-31.1	237.6	242.4	-2.0	14.8	10.4	42.4
9 to 10.9 .....	15.3	18.7	-18.6	142.5	151.7	-6.1	9.3	8.1	15.3
11 to 12.9 .....	6.0	7.0	-15.0	56.2	82.6	-32.0	9.4	11.7	-20.0
13 to 14.9 .....	2.7	4.2	-36.5	32.8	24.0	36.8	12.2	5.7	115.6
15 or more .....	1.4	3.5	-59.3	11.3	56.0	-79.7	8.1	16.2	-50.2
15 to 20.9 .....	1.4	3.5	-59.3	11.3	56.0	-79.7	8.1	16.2	-50.2
21 to 24.9 .....	V	V	N	V	V	N	V	V	N
25 or more .....	V	V	N	V	V	N	V	V	N
Not reported .....	16.7	17.7	-5.6	188.1	139.7	34.7	11.3	7.9	42.6
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicle and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>MODEL YEAR</b>									
2003 .....	S	N	N	S	N	N	S	N	N
2002 .....	1.5	N	N	95.5	N	N	63.8	N	N
2001 .....	2.8	N	N	125.0	N	N	45.1	N	N
2000 .....	4.1	N	N	242.9	N	N	59.9	N	N
1999 .....	4.3	N	N	224.7	N	N	52.1	N	N
1998 .....	3.2	S	S	139.5	S	S	43.4	S	S
1997 .....	5.0	3.8	32.9	174.0	192.9	-9.8	34.7	51.1	-32.1
1996 .....	3.6	4.0	-10.3	154.0	297.8	-48.3	42.6	73.9	-42.3
1995 .....	4.2	3.8	10.9	135.4	230.7	-41.3	31.9	60.2	-47.1
1994 .....	4.1	2.8	46.1	105.4	159.0	-33.7	25.6	56.5	-54.6
1993 .....	3.2	2.9	10.9	75.8	139.9	-45.8	23.6	48.3	-51.1
Pre-1993 .....	73.9	107.5	-31.2	379.5	1 030.7	-63.2	5.1	9.6	-46.4
<b>VEHICLE ACQUISITION</b>									
New .....	31.3	30.7	1.8	909.8	870.9	4.5	29.1	28.3	2.6
Used .....	74.5	86.6	-14.0	814.1	748.2	8.8	10.9	8.6	26.6
Not reported .....	4.2	7.9	-46.1	128.0	443.2	-71.1	30.2	56.4	-46.4
<b>LEASE CHARACTERISTICS</b>									
Leased .....	8.4	N	N	506.3	N	N	60.6	N	N
Lessee .....	7.4	N	N	447.2	N	N	60.6	N	N
Vehicle only .....	5.9	N	N	318.3	N	N	53.8	N	N
Vehicle with driver .....	1.3	N	N	127.3	N	N	96.1	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Lessor .....	.9	N	N	53.8	N	N	62.0	N	N
Vehicle only .....	.8	N	N	48.6	N	N	64.2	N	N
Vehicle with driver .....	S	N	N	S	N	N	S	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not leased .....	70.2	N	N	980.4	N	N	14.0	N	N
Not reported .....	31.4	N	N	365.2	N	N	11.6	N	N
Length of leasing agreement:									
Leased .....	8.4	N	N	506.3	N	N	60.6	N	N
1 to 11 months .....	.2	N	N	10.5	N	N	57.3	N	N
12 months or more .....	7.9	N	N	488.2	N	N	61.6	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Provisions of lease <sup>4</sup> :									
Financing only .....	4.3	N	N	180.8	N	N	42.1	N	N
Full maintenance .....	1.6	N	N	103.7	N	N	65.3	N	N
Payment of taxes .....	2.6	N	N	201.4	N	N	78.0	N	N
Obtaining licenses and permits .....	3.4	N	N	299.7	N	N	89.1	N	N
Recordkeeping .....	2.2	N	N	183.2	N	N	84.2	N	N
Fuel contract .....	.7	N	N	49.2	N	N	75.1	N	N
<b>PRIMARY OPERATOR CLASSIFICATION</b>									
Private .....	86.6	N	N	803.3	N	N	9.3	N	N
Motor carrier .....	13.7	N	N	750.9	N	N	54.8	N	N
Owner operator .....	4.1	N	N	266.7	N	N	64.6	N	N
Rental .....	.7	N	N	28.6	N	N	43.7	N	N
Personal transportation .....	.8	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract .....	6.4	N	N	508.1	N	N	79.3	N	N
Common .....	8.6	N	N	442.9	N	N	51.5	N	N
Not reported .....	2.8	N	N	66.6	N	N	23.6	N	N
Not applicable <sup>5</sup> .....	92.1	N	N	834.4	N	N	9.1	N	N
Type of service:									
Truckload .....	11.0	9.3	18.5	765.2	789.9	-3.1	69.8	85.4	-18.3
Less-than truckload .....	4.0	2.5	61.2	180.7	104.1	73.6	44.7	41.5	7.6
Not reported .....	2.8	N	N	71.6	N	N	25.4	N	N
Not applicable <sup>5</sup> .....	92.1	N	N	834.4	N	N	9.1	N	N
Source of hauls:									
Shippers or receivers .....	11.6	N	N	755.0	N	N	65.3	N	N
Brokers .....	.7	N	N	57.8	N	N	82.7	N	N
Centralized markets or exchanges .....	.5	N	N	13.5	N	N	25.1	N	N
Other .....	V	N	N	V	N	N	V	N	N
Not reported .....	5.0	N	N	191.2	N	N	38.0	N	N
Not applicable <sup>5</sup> .....	92.1	N	N	834.4	N	N	9.1	N	N
<b>HAZARDOUS MATERIALS CARRIED<sup>6</sup></b>									
Carrying hazardous materials .....	5.4	5.4	-3	244.9	403.9	-39.4	45.2	74.3	-39.2
Not carrying hazardous materials .....	87.7	102.4	-14.4	1 350.4	1 556.5	-13.2	15.4	15.2	1.3
Not reported .....	11.3	12.3	-8.2	225.5	90.3	149.7	19.9	7.3	172.0
Not applicable <sup>7</sup> .....	5.5	N	N	31.1	N	N	5.7	N	N
<b>EQUIPMENT TYPE<sup>4</sup></b>									
Aerial work platform/bucket .....	1.7	N	N	12.3	N	N	7.3	N	N
Air bag(s) (safety device only) .....	7.4	9.2	-19.7	238.8	590.3	-59.5	32.2	64.0	-49.7
Air compressor (except air brakes) .....	4.0	N	N	107.6	N	N	27.1	N	N
Air-conditioning .....	41.6	37.8	10.1	1 471.0	1 549.9	-5.1	35.3	41.0	-13.8
Air springs .....	10.4	N	N	595.5	N	N	57.4	N	N

See footnotes at end of table.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	(thousands)	(thousands)		(millions)	(millions)		(thousands)	(thousands)	
	A	B	C	D	E	F	G	H	I
<b>EQUIPMENT TYPE<sup>4</sup>—Con.</b>									
Antilock brake system	18.1	9.4	91.5	757.9	445.6	70.1	42.0	47.2	-11.2
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	1.7	N	N	126.7	N	N	73.6	N	N
Crane	2.5	N	N	31.9	N	N	12.5	N	N
Electronic vehicle identification device	.5	2.0	-75.8	41.3	187.6	-78.0	86.4	94.7	-8.8
Engine retarder/brake	12.1	10.3	17.8	780.6	833.4	-6.3	64.4	81.0	-20.5
Front-wheel drive	V	V	N	V	V	N	V	V	N
Hoist	34.1	N	N	100.3	N	N	2.9	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	N	N	90.8	N	N	48.4	N	N
Internet access	.1	N	N	S	N	N	S	N	N
Lift gate	4.4	N	N	50.3	N	N	11.4	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	.4	S	S	42.0	S	S	95.4	S
Power take-off	41.7	N	N	528.8	N	N	12.7	N	N
Radial tires	54.9	62.1	-11.7	1 348.2	1 716.4	-21.5	24.6	27.6	-11.1
Reflective material in addition to those required by law	8.4	16.3	-48.3	283.9	619.1	-54.2	33.6	37.9	-11.3
Road speed governor	21.2	22.6	-6.0	788.6	892.3	-11.6	37.1	39.5	-6.0
Toolbox	20.9	N	N	458.6	N	N	22.0	N	N
Trip recorder or on-board computer with communication capabilities	2.5	N	N	156.5	N	N	63.1	N	N
Trip recorder or on-board computer without communication capabilities	1.7	N	N	88.5	N	N	53.3	N	N
Vehicle control aids for handicapped drivers	V	V	N	V	V	N	V	V	N
Wheelchair lift	V	V	N	V	V	N	V	V	N
Winch	4.9	N	N	88.0	N	N	17.9	N	N
Transmission type:									
Automatic	19.3	N	N	265.1	N	N	13.8	N	N
Manual	84.8	N	N	1 456.0	N	N	17.2	N	N
Semiautomated manual	.5	N	N	S	N	N	S	N	N
Automated manual	.1	N	N	S	N	N	S	N	N
Not reported	5.3	N	N	110.9	N	N	20.9	N	N
Braking system:									
Hydraulic (standard)	36.7	37.2	-1.4	283.7	247.5	14.6	7.7	6.6	16.3
Hydraulic with power assist	26.9	36.0	-25.3	197.1	249.1	-20.9	7.3	6.9	6.0
Air	40.7	38.5	5.8	1 303.4	1 463.1	-10.9	32.0	38.0	-15.8
Other	V	1.3	N	V	S	S	V	S	S
Not reported	5.6	N	N	67.7	N	N	12.1	N	N
<b>FUEL TYPE AND ENGINE SIZE</b>									
Fuel type:									
Gasoline	50.4	75.4	-33.2	239.8	344.6	-30.4	4.8	4.6	4.2
Diesel	54.2	45.7	18.7	1 596.8	1 706.8	-6.4	29.4	37.4	-21.2
Natural gas	V	N	N	V	N	N	V	N	N
Propane	1.2	N	N	S	N	N	S	N	N
Alcohol fuels	V	N	N	V	N	N	V	N	N
Electricity	V	N	N	V	N	N	V	N	N
Combination	S	N	N	S	N	N	S	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup>	4.0	N	N	S	N	N	S	N	N
Cylinders <sup>8</sup> :									
4 cylinders	1.4	1.0	44.2	21.1	29.1	-27.5	14.7	29.2	-49.7
6 cylinders	39.6	31.5	25.4	1 441.6	1 473.1	-2.1	36.4	46.7	-22.0
8 cylinders	37.5	42.7	-12.2	323.5	349.0	-7.3	8.6	8.2	5.5
Other	31.5	50.0	-37.0	65.7	211.0	-68.9	2.1	4.2	-50.6
Cubic inch displacement <sup>8</sup> :									
Gasoline fuel	50.4	75.4	-33.2	239.8	344.6	-30.4	4.8	4.6	4.2
Less than 200	V	S	S	V	S	S	V	S	S
200 to 299	.6	1.3	-55.8	S	S	S	S	S	S
300 to 349	3.1	5.2	-41.1	45.7	18.3	149.9	14.9	3.5	323.9
350 to 399	11.9	12.7	-6.3	96.9	81.0	19.6	8.1	6.4	27.6
400 or more	5.9	8.1	-26.6	55.5	97.2	-42.9	9.4	12.0	-22.3
Not available	28.9	47.7	-39.4	33.5	122.5	-72.6	1.2	2.6	-54.8
Diesel fuel	54.2	45.7	18.7	1 596.8	1 706.8	-6.4	29.4	37.4	-21.2
Less than 400	5.7	4.4	30.8	89.6	110.2	-18.7	15.6	25.1	-37.9
400 to 599	16.0	10.5	52.7	288.4	191.3	50.8	18.1	18.3	-1.3
600 to 799	10.3	6.9	49.0	440.5	376.4	17.0	43.0	54.7	-21.5
800 or more	13.0	12.4	4.4	574.3	779.0	-26.3	44.2	62.6	-29.4
Not available	9.3	11.5	-19.3	204.0	249.9	-18.4	22.0	21.7	1.2
Other fuel	1.3	S	S	14.7	S	S	11.4	S	S
Less than 400	.6	V	N	S	V	S	S	V	S
400 or more	.6	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup>	4.0	N	N	S	N	N	S	N	N
<b>REFUELING LOCATION</b>									
Gas station	50.0	N	N	461.1	N	N	9.2	N	N
Truck stop	15.5	N	N	817.7	N	N	52.7	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	35.4	N	N	498.2	N	N	14.1	N	N
Other company's/contractor's facility not open to the public	1.1	N	N	28.2	N	N	24.6	N	N
Other	V	N	N	V	N	N	V	N	N
Not reported	3.8	N	N	46.1	N	N	12.2	N	N
Not applicable <sup>2</sup>	4.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>MAINTENANCE<sup>4</sup></b>									
General maintenance performed by:									
None performed .....	2.9	3.1	-6.6	S	93.2	S	S	30.1	S
Company-owned maintenance facility .....	33.5	34.4	-2.6	990.1	1 083.6	-8.6	29.5	31.5	-6.2
General repair business or private mechanic ..	30.6	25.3	21.0	738.7	471.7	56.6	24.1	18.6	29.5
Dealership service department .....	9.2	10.1	-8.8	352.2	377.6	-6.7	38.4	37.5	2.3
Leasing company .....	.7	1.1	-39.7	69.5	56.5	23.0	104.9	51.4	104.1
Individual not employed/paid by any maintenance type facility .....									
Other .....	41.6	62.3	-33.2	301.5	569.1	-47.0	7.3	9.1	-20.7
Not reported .....	3.0	7.1	-58.3	29.0	76.5	-62.1	9.8	10.8	-9.2
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed .....	83.5	7.2	1 064.3	1 222.5	143.8	750.3	14.6	20.1	-27.0
Company-owned maintenance facility .....	6.4	14.9	-57.3	227.7	326.8	-30.3	35.7	21.9	63.0
General repair business or private mechanic ..	7.0	22.4	-68.9	173.0	300.7	-42.5	24.8	13.4	84.8
Dealership service department .....	3.4	13.5	-74.6	149.9	653.1	-77.0	43.8	48.5	-9.7
Leasing company .....	.1	.7	-79.8	S	36.0	S	S	49.4	S
Component distributorship (engine, transmission, body, etc.) .....									
Individual not employed/paid by any repair type facility .....	.7	3.9	-81.8	21.6	247.2	-91.3	30.3	63.1	-52.0
Other .....	3.5	14.2	-75.5	41.5	98.5	-57.9	11.9	6.9	71.9
Not reported .....	S	54.9	S	S	603.2	S	S	11.0	S
Not applicable <sup>2</sup> .....	4.0	N	N	S	N	N	S	N	N
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>									
Single-unit trucks and truck-tractors without trailer .....									
2 axles .....	82.1	99.4	-17.5	620.7	735.0	-15.6	7.6	7.4	2.3
3 axles .....	68.7	82.7	-17.0	503.3	554.3	-9.2	7.3	6.7	9.4
4 axles .....	11.6	15.2	-23.7	93.8	155.2	-39.6	8.1	10.2	-20.8
5 axles or more .....	1.0	1.5	-32.6	17.8	25.6	-30.2	18.0	17.3	3.6
Not reported .....	.3	N	N	5.6	N	N	21.9	N	N
Combinations .....	27.9	25.8	8.2	1 231.2	1 327.3	-7.2	44.1	51.5	-14.3
Single-unit trucks with trailer .....	4.9	4.0	24.1	62.0	56.3	10.2	12.6	14.2	-11.2
3 axles .....	S	S	S	S	S	S	S	S	S
4 axles .....	3.6	2.7	35.5	37.6	29.9	25.7	10.4	11.2	-7.2
5 axles or more .....	1.0	1.0	-2.2	20.0	25.5	-21.5	19.6	24.4	-19.7
Truck-tractors with single trailer .....	22.2	21.6	2.8	1 101.5	1 249.6	-11.9	49.7	57.9	-14.3
3 axles .....	2.1	1.4	53.7	S	27.0	S	S	19.4	S
4 axles .....	2.2	2.4	-11.0	S	57.5	S	S	23.7	S
5 axles or more .....	16.9	17.7	-5.0	962.6	1 165.1	-17.4	57.1	65.7	-13.0
Truck-tractors with double trailers .....	.8	.2	227.9	67.7	S	S	86.2	S	S
5 axles .....	.5	.2	164.6	S	S	S	S	S	S
6 axles .....	.2	S	S	19.6	S	S	88.6	S	S
7 axles .....	S	S	S	S	S	S	S	V	S
8 axles or more .....	V	V	N	V	V	N	V	V	N
Not reported .....	V	V	N	V	N	N	V	N	N
Truck-tractors with triple trailers .....	V	V	N	V	V	N	V	V	N
7 axles .....	V	V	N	V	V	N	V	V	N
8 axles .....	V	V	N	V	V	N	V	V	N
9 axles .....	V	V	N	V	V	N	V	V	N
10 axles or more .....	V	V	N	V	V	N	V	V	N
Not reported .....	V	V	N	V	N	N	V	N	N
Driving axles:									
1 .....	75.3	91.9	-18.1	659.9	734.1	-10.1	8.8	8.0	9.7
2 .....	34.3	32.9	4.4	1 189.0	1 322.5	-10.1	34.6	40.2	-13.9
3 or more .....	S	S	S	S	S	S	S	S	S
Not reported .....	.3	V	N	S	V	S	S	V	S
Total liftable axles and locations <sup>9</sup> :									
None .....	106.7	43.6	145.0	1 816.0	833.2	118.0	17.0	19.1	-11.0
1 .....	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
Forward of the drive axle .....	1.7	N	N	17.2	N	N	10.0	N	N
Below the chassis .....	.5	N	N	7.9	N	N	14.7	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	.4	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
Forward of the drive axle .....	.3	N	N	5.6	N	N	21.9	N	N
Below the chassis .....	V	N	N	V	N	N	V	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N
Total liftable axles and number of braking axles:									
None .....	106.7	43.6	145.0	1 816.0	833.2	118.0	17.0	19.1	-11.0
1 .....	2.7	3.7	-27.0	29.3	69.4	-57.8	10.7	18.6	-42.2
0 braking .....	.5	N	N	S	N	N	S	N	N
1 braking .....	2.1	N	N	26.1	N	N	12.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
2 or more .....	.3	.2	63.3	5.6	S	S	21.9	S	S
0 braking .....	V	N	N	V	N	N	V	N	N
1 braking .....	V	N	N	V	N	N	V	N	N
2 or more braking .....	.3	N	N	5.6	N	N	21.9	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Not reported .....	.3	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3a. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities: 2002 and 1997—Con.**

[Estimates are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	2002 trucks (thousands)	1997 trucks (thousands)	Percent change	2002 truck miles (millions)	1997 truck miles (millions)	Percent change	2002 average miles per truck (thousands)	1997 average miles per truck (thousands)	Percent change
	A	B	C	D	E	F	G	H	I
<b>CAB TYPE</b>									
Conventional cab .....	101.0	96.6	4.5	1 759.7	1 757.0	.2	17.4	18.2	-4.2
With sleeper .....	10.6	N	N	800.6	N	N	75.2	N	N
Without sleeper .....	89.9	N	N	930.9	N	N	10.4	N	N
Not reported .....	.4	N	N	28.2	N	N	63.8	N	N
Cab over engine .....	8.6	10.7	-19.8	90.8	111.6	-18.6	10.6	10.4	1.5
With sleeper .....	1.7	N	N	30.4	N	N	17.6	N	N
Without sleeper .....	6.9	N	N	60.3	N	N	8.8	N	N
Not reported .....	V	N	N	V	N	N	V	N	N
Cab forward of engine .....	S	2.7	S	S	41.5	S	S	15.4	S
Cab beside engine .....	S	1.8	S	S	39.9	S	S	21.7	S
Not reported .....	.2	N	N	S	N	N	S	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>3</sup>Truck-tractors not in use.

<sup>4</sup>Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

<sup>5</sup>Vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>6</sup>Distributed miles data are available in Table 8.

<sup>7</sup>Vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>8</sup>Data were derived from administrative records.

<sup>9</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: Table 3b provides estimated measures of sampling variability. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).



**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>Total</b> .....	<b>.8</b>	<b>2.7</b>	<b>2.5</b>	<b>4.0</b>	<b>3.4</b>	<b>4.7</b>	<b>4.0</b>	<b>3.9</b>	<b>5.7</b>
<b>BUSINESS</b>									
For-hire transportation or warehousing .....	6.6	7.0	10.5	6.4	6.0	7.9	5.1	5.5	6.2
Vehicle leasing or rental .....	30.8	41.0	30.5	31.0	34.3	36.7	18.2	31.8	49.1
Agriculture, forestry, fishing, or hunting .....	3.6	4.1	4.6	15.7	8.8	16.2	15.4	8.2	18.8
Mining .....	21.0	20.5	25.0	25.5	23.6	22.7	24.9	23.9	26.6
Utilities .....	19.7	25.6	35.5	23.8	33.2	29.8	17.0	20.9	35.8
Construction .....	7.7	12.2	12.5	11.5	11.2	11.8	9.8	11.0	12.5
Manufacturing .....	18.8	19.6	23.4	23.8	20.9	18.8	21.4	18.2	19.5
Wholesale trade .....	17.9	19.4	21.6	18.5	20.9	18.8	12.8	14.7	16.0
Retail trade .....	13.9	15.7	18.1	21.7	20.3	25.8	17.2	14.9	23.0
Information services .....	40.5	N	N	S	N	N	S	N	N
Waste management, landscaping, or administrative/support services .....	16.9	N	N	19.0	N	N	14.4	N	N
Arts, entertainment, or recreation services .....	S	N	N	S	N	N	S	N	N
Accommodation or food services .....	34.1	N	N	48.5	N	N	36.1	N	N
Other services .....	21.3	N	N	32.8	N	N	23.8	N	N
Personal transportation .....	39.1	42.1	11.0	S	S	S	S	S	S
Not reported .....	17.9	N	N	22.6	N	N	23.0	N	N
Not applicable <sup>1</sup> .....	16.0	14.3	14.4	S	S	S	S	S	S
<b>BODY TYPE</b>									
Single-unit trucks .....	1.3	3.3	3.0	5.8	6.2	7.4	5.7	6.2	8.7
Armored .....	N	N	N	N	N	N	N	N	N
Beverage .....	S	N	S	S	N	S	N	N	S
Concrete mixer .....	22.3	17.4	22.9	27.1	22.2	11.6	21.9	13.8	10.6
Concrete pumper .....	S	N	N	S	N	N	S	N	N
Crane .....	S	28.6	S	S	45.4	S	S	38.0	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	7.4	12.4	30.1	17.1	16.0	28.4	16.4	15.6	13.1
Flatbed, stake, or platform .....	6.9	6.0	5.3	13.0	13.3	10.1	11.0	11.7	15.0
Low boy .....	S	41.0	S	S	S	S	S	S	S
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Service, utility .....	16.4	29.2	68.0	19.6	41.7	134.5	10.9	28.7	44.2
Service, other .....	19.9	29.6	53.3	24.2	40.5	62.4	14.2	26.9	26.9
Street sweeper .....	N	N	N	N	N	N	N	N	N
Tank, dry bulk .....	38.9	S	S	40.6	S	S	34.8	S	S
Tank, liquids or gases .....	17.2	25.9	46.4	23.1	31.6	62.2	16.1	22.6	29.5
Tow/Wrecker .....	24.0	S	S	39.8	S	S	30.7	S	S
Trash, garbage, or recycling .....	19.9	20.2	22.8	20.7	20.6	21.9	13.6	12.6	17.3
Vacuum .....	S	N	N	S	N	N	S	N	N
Van, basic enclosed .....	14.3	25.3	60.9	18.8	37.1	54.2	13.2	30.2	20.5
Van, insulated nonrefrigerated .....	S	N	S	S	N	S	S	N	S
Van, insulated refrigerated .....	47.0	S	S	S	S	S	S	S	S
Van, open top .....	7.4	7.1	7.1	12.9	11.8	6.2	11.5	9.8	7.7
Van, step, walk-in, or multistop .....	16.4	21.4	13.3	22.6	18.6	23.0	15.6	17.4	37.1
Van, other .....	29.8	N	N	40.8	N	N	27.9	N	N
Other .....	N	N	N	N	N	N	N	N	N
Truck-tractors .....	3.3	3.8	5.5	5.6	4.3	6.5	5.1	4.3	5.6
Automobile carrier .....	S	N	S	S	N	S	S	N	S
Beverage .....	40.7	S	S	40.9	S	S	33.8	S	S
Curtainside .....	S	N	N	S	N	N	S	N	N
Dump .....	10.9	14.6	36.4	16.0	17.7	24.8	13.5	10.0	8.8
Flatbed, stake, or platform .....	12.3	15.3	30.8	15.5	18.9	31.9	13.6	16.4	17.7
Livestock .....	20.4	24.2	30.6	25.7	23.7	22.9	21.2	22.4	20.9
Low boy .....	15.9	17.9	18.1	23.5	31.3	23.9	17.4	19.8	21.2
Mobile home toter .....	49.2	N	N	S	N	N	S	N	N
Open top .....	9.7	10.9	11.6	16.0	13.8	15.1	13.9	13.3	17.3
Pole, logging, pulpwood, or pipe .....	S	S	S	S	S	S	S	S	S
Tank, dry bulk .....	25.3	32.7	63.5	29.5	40.6	82.0	15.2	24.0	30.3
Tank, liquids or gases .....	19.8	18.5	14.2	22.4	19.4	16.3	10.4	10.3	15.4
Van, basic enclosed .....	9.6	10.7	17.6	12.1	11.3	16.3	6.8	6.4	7.5
Van, drop-frame .....	S	49.3	S	S	S	S	S	S	S
Van, insulated nonrefrigerated .....	S	40.1	S	S	40.6	S	S	5.9	S
Van, insulated refrigerated .....	14.9	12.2	17.2	18.3	12.9	23.0	7.4	4.2	9.8
Other .....	S	N	N	S	N	N	S	N	N
Not applicable <sup>2</sup> .....	27.5	N	N	N	N	N	N	N	N
<b>ANNUAL MILES</b>									
Less than 5,000 .....	3.2	5.9	5.8	5.4	9.5	7.4	4.5	5.7	5.7
5,000 to 9,999 .....	9.0	9.7	10.7	9.3	10.0	11.5	2.0	2.4	3.2
10,000 to 19,999 .....	7.5	8.9	10.6	7.8	9.2	11.1	1.8	1.9	2.7
20,000 to 29,999 .....	12.2	14.5	20.0	12.2	14.7	20.2	1.6	1.5	2.2
30,000 to 49,999 .....	11.1	13.5	19.8	11.0	14.0	19.8	1.6	2.2	2.7
50,000 to 74,999 .....	13.7	15.8	16.2	13.7	15.1	17.0	1.9	1.9	2.8
75,000 or more .....	6.9	5.7	7.7	7.8	5.7	8.3	2.7	1.5	3.1
Not applicable <sup>1</sup> .....	16.0	15.3	17.5	S	N	S	S	N	S

See footnotes at end of table.

**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>PRIMARY RANGE OF OPERATION</b>									
Off-the-road .....	12.3	11.9	6.0	26.9	17.0	9.7	24.5	17.1	26.0
50 miles or less .....	2.5	4.3	4.5	6.2	6.3	7.8	5.8	6.0	8.1
51 to 100 miles .....	9.4	11.0	12.1	11.6	12.5	16.4	8.8	10.2	15.5
101 to 200 miles .....	13.3	13.2	13.3	12.3	11.4	9.3	10.6	10.9	11.8
201 to 500 miles .....	13.7	14.1	19.5	12.5	13.5	18.2	9.2	8.5	12.4
501 miles or more .....	9.8	9.3	12.7	12.3	9.1	14.2	6.3	4.2	7.5
Not reported .....	10.6	15.3	33.4	18.9	N	N	17.5	N	N
Not applicable .....	16.0	N	N	S	N	N	S	N	N
<b>PRIMARY JURISDICTION</b>									
Operated in Canada .....	N	N	N	N	N	N	N	N	N
Operated in Mexico .....	N	N	N	N	N	N	N	N	N
Operated within the home base state .....	1.6	N	N	4.8	N	N	4.6	N	N
Operated in states other than the home base state .....	8.1	N	N	9.4	N	N	6.8	N	N
Not reported .....	11.1	N	N	17.2	N	N	16.5	N	N
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N
<b>MONTHS OPERATED</b>									
12 .....	3.8	N	N	5.3	N	N	4.8	N	N
7 to 11 .....	7.1	N	N	10.2	N	N	9.4	N	N
2 to 6 .....	6.0	N	N	12.6	N	N	12.2	N	N
1 or less .....	6.4	N	N	19.0	N	N	18.1	N	N
Vehicle not used .....	16.0	N	N	S	N	N	S	N	N
<b>VEHICLE SIZE</b>									
Light .....	9.2	13.4	8.6	15.7	15.3	15.7	12.7	14.7	26.2
Medium .....	6.7	7.1	7.8	12.3	13.8	21.4	10.4	11.8	22.7
Light-heavy .....	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
Heavy-heavy .....	2.8	3.6	4.7	4.9	3.8	5.6	5.0	4.5	5.9
<b>AVERAGE WEIGHT (POUNDS)</b>									
Less than 6,001 .....	18.2	28.3	14.3	27.9	28.3	19.5	20.9	26.9	39.3
6,001 to 8,500 .....	17.4	N	N	25.9	N	N	18.9	N	N
8,501 to 10,000 .....	15.3	N	N	27.0	N	N	22.0	N	N
10,001 to 14,000 .....	9.9	11.8	15.1	16.1	21.5	42.3	12.8	17.6	35.0
14,001 to 16,000 .....	15.8	16.9	18.9	29.2	23.0	29.4	24.3	15.9	28.2
16,001 to 19,500 .....	15.2	13.3	11.5	28.8	29.6	35.3	24.3	26.6	54.2
19,501 to 26,000 .....	6.7	8.3	10.7	14.7	18.3	18.0	13.1	16.2	15.9
26,001 to 33,000 .....	10.7	10.7	10.6	25.2	22.3	29.0	22.7	20.0	37.4
33,001 to 40,000 .....	12.4	16.5	32.4	34.0	20.8	37.0	32.0	19.0	22.0
40,001 to 50,000 .....	9.1	8.5	10.1	20.5	11.4	9.0	18.8	10.8	10.2
50,001 to 60,000 .....	6.4	8.9	15.3	23.0	12.6	20.0	21.4	9.6	12.8
60,001 to 80,000 .....	4.1	4.6	6.6	6.1	5.8	8.2	4.7	4.4	5.8
80,001 to 100,000 .....	11.0	24.2	69.5	13.9	25.3	76.6	10.0	23.9	26.4
100,001 to 130,000 .....	S	S	S	S	S	S	S	S	S
130,001 or more .....	N	N	N	N	N	N	N	N	N
<b>TOTAL LENGTH (FEET)</b>									
Less than 20.0 .....	5.9	9.4	7.7	10.9	12.9	12.4	9.3	12.0	16.1
20.0 to 27.9 .....	4.2	4.7	5.2	10.5	10.3	13.4	9.7	9.4	14.8
28.0 to 35.9 .....	7.7	9.3	11.7	12.5	13.5	13.6	10.2	11.0	11.4
36.0 to 40.9 .....	13.5	21.3	58.0	27.6	22.7	74.3	24.6	21.3	29.5
41.0 to 44.9 .....	20.5	20.4	39.0	24.3	25.5	27.9	21.5	22.2	18.1
45.0 to 49.9 .....	20.2	21.6	22.3	29.9	26.5	21.6	26.2	20.5	23.8
50.0 to 54.9 .....	13.8	14.0	31.6	26.7	21.8	30.4	21.8	16.7	15.1
55.0 to 59.9 .....	10.5	11.8	16.3	14.5	13.0	11.5	13.0	12.2	10.2
60.0 to 64.9 .....	8.7	9.5	13.6	11.5	12.4	17.5	9.0	8.6	12.2
65.0 to 69.9 .....	9.3	8.5	12.8	12.6	9.7	15.1	8.4	4.8	9.1
70.0 to 74.9 .....	14.6	15.6	25.8	16.4	14.7	22.4	8.7	7.1	9.5
75.0 to 79.9 .....	24.4	N	N	28.3	N	N	14.3	N	N
80.0 or more .....	44.0	N	N	S	N	N	S	N	N
<b>MILES PER GALLON</b>									
Less than 5 .....	7.1	8.9	11.8	9.6	10.7	18.7	9.2	10.6	17.6
5 to 6.9 .....	4.4	5.0	6.0	5.7	4.8	5.8	5.8	5.7	7.0
7 to 8.9 .....	7.8	7.8	7.6	20.2	13.0	23.5	18.8	11.4	31.3
9 to 10.9 .....	8.3	12.5	12.2	14.2	19.6	22.7	11.3	18.7	25.2
11 to 12.9 .....	14.3	27.4	26.3	20.4	26.7	22.8	15.3	26.3	24.3
13 to 14.9 .....	21.8	42.4	30.2	27.4	33.1	58.7	16.9	24.8	64.8
15 or more .....	28.6	22.5	14.8	35.3	31.0	9.5	19.2	21.4	14.3
15 to 20.9 .....	28.6	22.5	14.8	35.3	31.0	9.5	19.2	21.4	14.3
21 to 24.9 .....	N	N	N	N	N	N	N	N	N
25 or more .....	N	N	N	N	N	N	N	N	N
Not reported .....	7.5	8.3	10.6	14.6	14.5	27.7	13.8	13.9	27.9
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>MODEL YEAR</b>									
2003 .....	S	N	N	S	N	N	S	N	N
2002 .....	24.8	N	N	29.4	N	N	21.3	N	N
2001 .....	19.1	N	N	21.8	N	N	16.6	N	N
2000 .....	14.0	N	N	12.7	N	N	10.0	N	N
1999 .....	14.6	N	N	19.5	N	N	15.7	N	N
1998 .....	16.4	S	S	15.8	S	S	14.8	S	S
1997 .....	14.5	18.6	31.3	16.0	15.0	19.7	12.1	14.6	12.9
1996 .....	15.3	15.6	19.6	14.8	12.9	10.2	12.0	10.0	9.0
1995 .....	14.6	18.2	25.8	15.9	14.8	12.7	12.0	13.0	9.4
1994 .....	14.4	20.0	36.1	15.8	19.0	16.3	12.8	15.0	9.0
1993 .....	16.9	19.6	28.7	24.6	17.7	16.4	19.4	15.2	12.1
Pre-1993 .....	2.2	3.3	2.7	6.1	4.8	2.9	5.9	5.0	4.1
<b>VEHICLE ACQUISITION</b>									
New .....	5.0	6.3	8.2	7.4	6.9	10.6	6.5	6.3	9.3
Used .....	2.3	4.2	4.1	5.2	5.8	8.5	5.1	6.1	10.1
Not reported .....	14.8	11.0	10.0	19.0	9.3	6.1	17.7	9.4	10.7
<b>LEASE CHARACTERISTICS</b>									
Leased .....	9.5	N	N	8.8	N	N	7.3	N	N
Lessee .....	10.3	N	N	9.3	N	N	8.0	N	N
Vehicle only .....	12.3	N	N	11.5	N	N	9.8	N	N
Vehicle with driver .....	16.0	N	N	17.0	N	N	5.9	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Lessor .....	28.0	N	N	32.8	N	N	16.1	N	N
Vehicle only .....	31.1	N	N	35.6	N	N	17.4	N	N
Vehicle with driver .....	S	N	N	S	N	N	S	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Not leased .....	2.4	N	N	6.4	N	N	6.2	N	N
Not reported .....	5.0	N	N	9.0	N	N	8.5	N	N
Length of leasing agreement:									
Leased .....	9.5	N	N	8.8	N	N	7.3	N	N
1 to 11 months .....	44.0	N	N	48.8	N	N	21.1	N	N
12 months or more .....	9.8	N	N	9.1	N	N	7.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
Provisions of lease:									
Financing only .....	15.2	N	N	15.4	N	N	11.7	N	N
Full maintenance .....	21.1	N	N	19.6	N	N	16.8	N	N
Payment of taxes .....	14.7	N	N	13.8	N	N	10.3	N	N
Obtaining licenses and permits .....	11.5	N	N	11.0	N	N	7.3	N	N
Recordkeeping .....	16.6	N	N	14.9	N	N	12.0	N	N
Fuel contract .....	29.5	N	N	28.3	N	N	21.2	N	N
<b>PRIMARY OPERATOR CLASSIFICATION</b>									
Private .....	1.6	N	N	7.0	N	N	6.8	N	N
Motor carrier .....	6.8	N	N	7.1	N	N	5.6	N	N
Owner operator .....	10.5	N	N	10.9	N	N	8.7	N	N
Rental .....	29.6	N	N	30.9	N	N	18.6	N	N
Personal transportation .....	39.1	N	N	S	N	N	S	N	N
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N
For-hire characteristics:									
Type of carrier:									
Contract .....	8.8	N	N	8.3	N	N	5.5	N	N
Common .....	8.6	N	N	9.8	N	N	7.7	N	N
Not reported .....	17.8	N	N	20.0	N	N	12.9	N	N
Not applicable <sup>3</sup> .....	1.4	N	N	6.8	N	N	6.6	N	N
Type of service:									
Truckload .....	5.9	7.2	11.1	6.1	6.8	8.8	4.7	5.3	5.8
Less-than truckload .....	15.7	23.3	45.3	19.1	20.5	48.6	13.7	17.7	24.1
Not reported .....	17.8	N	N	20.6	N	N	13.9	N	N
Not applicable <sup>3</sup> .....	1.4	N	N	6.8	N	N	6.6	N	N
Source of hauls:									
Shippers or receivers .....	6.9	N	N	7.1	N	N	5.3	N	N
Brokers .....	22.3	N	N	24.3	N	N	9.8	N	N
Centralized markets or exchanges .....	40.7	N	N	40.7	N	N	29.1	N	N
Other .....	N	N	N	N	N	N	N	N	N
Not reported .....	12.2	N	N	13.2	N	N	10.6	N	N
Not applicable <sup>3</sup> .....	1.4	N	N	6.8	N	N	6.6	N	N
<b>HAZARDOUS MATERIALS CARRIED<sup>4</sup></b>									
Carrying hazardous materials .....	12.9	12.1	17.6	15.0	10.0	10.9	12.3	10.2	9.7
Not carrying hazardous materials .....	1.7	2.1	2.3	4.9	4.3	5.7	4.8	4.2	6.5
Not reported .....	9.2	10.3	12.7	12.6	17.6	54.0	12.5	16.2	55.6
Not applicable <sup>5</sup> .....	13.4	N	N	28.7	N	N	28.5	N	N

See footnotes at end of table.

**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>EQUIPMENT TYPE</b>									
Aerial work platform/bucket	27.5	N	N	37.3	N	N	24.2	N	N
Air bag(s) (safety device only)	11.9	9.9	12.4	13.1	8.5	6.3	10.5	7.4	6.5
Air compressor (except air brakes)	14.5	N	N	16.7	N	N	14.5	N	N
Air-conditioning	3.6	6.4	8.1	4.5	4.4	6.0	4.1	5.9	6.2
Air springs	5.6	N	N	7.5	N	N	5.5	N	N
Antilock brake system	6.8	11.3	25.3	7.1	10.0	20.8	6.1	9.1	9.7
Collision warning system	S	N	N	S	N	N	S	N	N
Computerized drive train control unit	15.5	N	N	17.1	N	N	10.8	N	N
Crane	20.4	N	N	23.3	N	N	12.3	N	N
Electronic vehicle identification device	27.1	19.2	8.0	32.0	16.1	7.9	17.1	12.3	19.2
Engine retarder/brake	4.4	5.7	8.5	6.0	6.4	8.2	4.4	4.1	4.8
Front-wheel drive	N	N	N	N	N	N	N	N	N
Hoist	4.8	N	N	9.6	N	N	9.1	N	N
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	19.6	N	N	19.8	N	N	15.6	N	N
Internet access	49.2	N	N	S	N	N	S	N	N
Lift gate	15.7	N	N	23.3	N	N	17.2	N	N
Mounting bar for snowplow	S	N	N	S	N	N	S	N	N
Navigational system	S	29.5	S	S	33.8	S	S	16.5	S
Power take-off	4.0	N	N	7.3	N	N	7.0	N	N
Radial tires	3.1	4.4	4.8	4.3	4.0	4.6	4.1	4.7	5.5
Reflective material in addition to those required by law	9.9	8.0	6.6	12.3	8.2	6.8	10.7	8.0	11.9
Road speed governor	5.6	6.4	8.0	7.0	6.4	8.4	6.2	6.5	8.5
Toolbox	6.3	N	N	7.7	N	N	6.7	N	N
Trip recorder or on-board computer with communication capabilities	20.3	N	N	19.6	N	N	14.0	N	N
Trip recorder or on-board computer without communication capabilities	20.4	N	N	20.4	N	N	16.8	N	N
Vehicle control aids for handicapped drivers	N	N	N	N	N	N	N	N	N
Wheelchair lift	N	N	N	N	N	N	N	N	N
Winch	14.0	N	N	23.0	N	N	18.3	N	N
Transmission type:									
Automatic	7.2	N	N	10.7	N	N	7.8	N	N
Manual	1.9	N	N	4.9	N	N	4.9	N	N
Semiautomated manual	45.9	N	N	S	N	N	S	N	N
Automated manual	49.2	N	N	S	N	N	S	N	N
Not reported	13.8	N	N	17.6	N	N	18.0	N	N
Braking system:									
Hydraulic (standard)	4.5	5.8	7.3	15.2	13.0	23.0	14.6	11.5	21.6
Hydraulic with power assist	5.8	6.0	6.2	11.7	12.5	13.6	10.1	11.0	15.8
Air	2.8	3.6	4.8	4.6	3.9	5.4	4.5	4.3	5.2
Other	N	34.3	N	N	S	S	N	S	S
Not reported	13.8	N	N	20.3	N	N	18.7	N	N
<b>FUEL TYPE AND ENGINE SIZE</b>									
Fuel type:									
Gasoline	3.3	4.8	3.9	10.7	9.2	9.8	10.1	8.6	13.8
Diesel	2.8	3.6	5.5	4.5	3.9	5.6	4.3	3.8	4.5
Natural gas	N	N	N	N	N	N	N	N	N
Propane	34.0	N	N	S	N	N	S	N	N
Alcohol fuels	N	N	N	N	N	N	N	N	N
Electricity	N	N	N	N	N	N	N	N	N
Combination	S	N	N	S	N	N	S	N	N
Other	N	N	N	N	N	N	N	N	N
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>1</sup>	16.0	N	N	S	N	N	S	N	N
Cylinders <sup>6</sup> :									
4 cylinders	22.7	27.1	51.0	28.3	30.0	29.9	20.5	16.5	13.2
6 cylinders	3.3	4.6	7.1	4.9	4.1	6.3	4.7	4.5	5.0
8 cylinders	4.4	8.5	8.4	9.1	11.1	13.3	7.9	10.5	13.8
Other	5.0	4.4	4.2	13.0	10.3	5.2	12.4	9.7	7.8
Cubic inch displacement <sup>6</sup> :									
Gasoline fuel	3.3	4.8	3.9	10.7	9.2	9.8	10.1	8.6	13.8
Less than 200	N	S	S	N	S	S	N	S	S
200 to 299	49.7	40.5	28.4	S	S	S	S	S	S
300 to 349	20.8	35.4	24.2	38.6	38.5	136.3	32.5	38.2	212.8
350 to 399	9.8	17.2	18.6	14.6	19.0	28.7	11.1	14.9	23.8
400 or more	14.6	24.7	21.1	22.1	23.4	18.4	16.5	22.3	21.6
Not available	5.5	4.7	4.4	13.6	12.6	5.1	12.4	11.6	7.7
Diesel fuel	2.8	3.6	5.5	4.5	3.9	5.6	4.3	3.8	4.5
Less than 400	13.9	19.3	31.1	16.8	24.8	24.4	10.4	15.7	11.7
400 to 599	7.9	12.2	22.1	15.9	16.1	34.1	13.6	11.1	17.3
600 to 799	6.5	7.9	15.3	9.6	9.4	15.7	8.1	7.5	8.7
800 or more	4.6	4.2	6.6	7.3	6.1	7.0	5.9	4.5	5.2
Not available	7.8	7.0	8.4	12.6	11.8	14.1	12.2	10.1	16.0
Other fuel	32.2	S	S	46.2	S	S	32.5	S	S
Less than 400	47.0	N	N	S	N	S	S	N	S
400 or more	49.7	S	S	S	S	S	S	S	S
Not available	S	S	S	S	S	S	S	S	S
Not reported	S	N	N	S	N	N	S	N	N
Not applicable <sup>1</sup>	16.0	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicular and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>REFUELING LOCATION</b>									
Gas station .....	3.5	N	N	7.7	N	N	7.0	N	N
Truck stop .....	5.7	N	N	5.9	N	N	5.6	N	N
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) .....	4.5	N	N	11.0	N	N	10.4	N	N
Other company's/contractor's facility not open to the public .....	27.2	N	N	37.3	N	N	37.6	N	N
Other .....	N	N	N	N	N	N	N	N	N
Not reported .....	16.6	N	N	22.3	N	N	22.4	N	N
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N
<b>MAINTENANCE</b>									
General maintenance performed by:									
None performed .....	19.7	22.1	27.6	S	22.3	S	S	26.6	S
Company-owned maintenance facility .....	4.5	7.2	8.2	6.9	5.7	8.1	6.2	7.1	8.9
General repair business or private mechanic .....	5.1	9.6	13.1	6.6	8.9	17.4	5.9	10.4	15.5
Dealership service department .....	9.6	11.3	13.5	9.7	11.0	13.7	8.5	10.1	13.5
Leasing company .....	23.0	30.7	23.1	25.4	25.2	44.0	11.1	18.0	43.2
Individual not employed/paid by any maintenance type facility:									
Other .....	4.1	4.6	4.1	9.0	7.2	6.1	8.9	7.1	9.0
Not reported .....	N	S	S	N	S	S	N	S	S
Not reported .....	19.3	13.2	9.7	27.6	20.2	13.0	27.2	18.7	30.0
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N
Extensive repairs performed by:									
None performed .....	1.9	14.0	164.9	5.5	16.8	150.0	5.4	18.2	13.9
Company-owned maintenance facility .....	10.7	14.0	7.5	13.0	11.3	12.0	11.1	14.4	29.6
General repair business or private mechanic .....	11.5	7.7	4.3	13.5	10.4	9.8	11.1	9.8	27.4
Dealership service department .....	16.4	8.2	4.7	19.3	7.8	4.8	15.9	6.7	15.6
Leasing company .....	49.2	34.6	12.1	S	30.2	S	S	32.1	S
Component distributorship (engine, transmission, body, etc.) .....									
Individual not employed/paid by any repair type facility .....	36.6	13.6	7.1	40.8	13.0	3.7	26.7	10.9	13.8
Other .....	N	44.9	N	N	42.7	N	N	51.3	N
Not reported .....	S	5.1	S	S	7.6	S	S	7.3	S
Not applicable <sup>1</sup> .....	16.0	N	N	S	N	N	S	N	N
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>									
Single-unit trucks and truck-tractors without trailer:									
2 axles .....	1.6	3.5	3.2	6.0	6.5	7.5	5.8	6.4	8.9
3 axles .....	1.9	4.3	3.9	7.2	8.2	9.9	6.9	8.0	11.5
4 axles .....	5.7	7.5	7.2	9.2	10.6	8.5	8.3	9.7	10.1
5 axles or more .....	18.6	20.4	18.6	22.9	22.4	22.4	13.3	20.1	25.0
Not reported .....	37.1	N	N	42.9	N	N	21.5	N	N
Combinations .....	43.1	N	N	S	N	S	S	N	S
Combinations:									
Single-unit trucks with trailer .....	3.7	4.4	6.2	5.5	4.2	6.4	5.2	4.7	6.0
3 axles .....	15.0	20.1	31.1	26.8	25.6	40.8	22.9	19.9	26.9
4 axles .....	S	S	S	S	S	S	S	S	S
5 axles or more .....	18.8	26.9	44.5	39.9	39.2	70.4	35.1	28.6	42.0
Not reported .....	21.9	26.3	33.4	32.0	32.6	35.9	23.3	25.6	27.8
Truck-tractors with single trailer .....	N	N	N	N	N	N	N	N	N
3 axles .....	3.3	3.9	5.2	5.5	4.3	6.2	5.1	4.3	5.7
4 axles .....	21.0	28.8	54.8	S	36.5	S	S	38.6	S
5 axles or more .....	18.5	18.3	23.1	S	23.7	S	S	19.4	S
Not reported .....	3.0	3.8	4.6	4.8	4.6	5.5	4.1	3.9	4.9
Truck-tractors with double trailers .....	21.9	N	N	25.8	N	N	19.2	N	N
5 axles .....	33.8	40.2	172.3	41.0	S	S	18.5	S	S
6 axles .....	47.0	44.1	170.4	S	S	S	S	S	S
7 axles .....	40.1	S	S	40.9	S	S	7.9	S	S
8 axles or more .....	S	N	S	S	N	S	S	N	S
Not reported .....	N	N	N	N	N	N	N	N	N
Truck-tractors with triple trailers .....	N	N	N	N	N	N	N	N	N
7 axles .....	N	N	N	N	N	N	N	N	N
8 axles .....	N	N	N	N	N	N	N	N	N
9 axles .....	N	N	N	N	N	N	N	N	N
10 axles or more .....	N	N	N	N	N	N	N	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Driving axles:									
1 .....	1.6	3.4	3.0	9.0	6.9	10.2	8.9	6.8	12.3
2 .....	2.6	6.1	6.9	4.0	4.3	5.3	4.0	6.3	6.4
3 or more .....	S	S	S	S	S	S	S	S	S
Not reported .....	37.1	N	N	S	N	S	S	N	S
Total liftable axles and locations:									
None .....	.9	4.8	12.0	4.1	6.2	16.3	4.1	6.3	6.7
1 .....	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
Forward of the drive axle .....	22.2	N	N	25.0	N	N	23.5	N	N
Below the chassis .....	40.7	N	N	44.9	N	N	46.6	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	45.7	N	N	S	N	N	S	N	N
2 or more .....	37.1	49.2	100.7	42.9	S	S	21.5	S	S
Forward of the drive axle .....	37.1	N	N	42.9	N	N	21.5	N	N
Below the chassis .....	N	N	N	N	N	N	N	N	N
Beyond the chassis .....	S	N	N	S	N	N	S	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not reported .....	37.1	N	N	S	N	N	S	N	N

See footnotes at end of table.

**Table 3b. Trucks, Truck Miles, and Average Annual Miles for Trucks, Excluding Pickups, Minivans, Other Light Vans, and Sport Utilities—Measures of Sampling Variability: 2002 and 1997—Con.**

[Estimates are shown as percents and are based on data from the 2002 and 1997 Vehicle Inventory and Use Surveys. Columns A, B, D, E, G, H show estimated coefficients of variation. Columns C, F, and I show estimated standard errors]

Vehicle and operational characteristics	2002 trucks	1997 trucks	Percent change	2002 truck miles	1997 truck miles	Percent change	2002 average miles per truck	1997 average miles per truck	Percent change
	A	B	C	D	E	F	G	H	I
<b>TRUCK TYPE AND AXLE ARRANGEMENT—Con.</b>									
Total liftable axles and number of braking axles:									
None .....	.9	4.8	12.0	4.1	6.2	16.3	4.1	6.3	6.7
1 .....	17.2	19.4	18.9	20.3	23.3	13.0	19.8	19.6	16.1
0 braking .....	45.9	N	N	S	N	N	S	N	N
1 braking .....	19.0	N	N	22.1	N	N	20.5	N	N
Not reported .....	S	N	N	S	N	N	S	N	N
2 or more .....	37.1	49.2	100.7	42.9	S	S	21.5	S	S
0 braking .....	N	N	N	N	N	N	N	N	N
1 braking .....	N	N	N	N	N	N	N	N	N
2 or more braking .....	37.1	N	N	42.9	N	N	21.5	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Not reported .....	37.1	N	N	S	N	N	S	N	N
<b>CAB TYPE</b>									
Conventional cab .....	1.1	2.3	2.7	4.2	3.9	5.7	4.2	3.9	5.5
With sleeper .....	4.9	N	N	7.1	N	N	5.2	N	N
Without sleeper .....	1.4	N	N	5.8	N	N	5.6	N	N
Not reported .....	28.3	N	N	35.1	N	N	20.7	N	N
Cab over engine .....	8.8	10.2	10.8	17.0	14.0	17.9	15.6	13.3	20.8
With sleeper .....	14.1	N	N	37.1	N	N	34.3	N	N
Without sleeper .....	10.5	N	N	17.5	N	N	15.2	N	N
Not reported .....	N	N	N	N	N	N	N	N	N
Cab forward of engine .....	S	25.0	S	S	34.3	S	S	24.8	S
Cab beside engine .....	S	32.2	S	S	38.7	S	S	19.5	S
Not reported .....	44.0	N	N	S	N	N	S	N	N

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.  
<sup>2</sup>Truck-tractors not in use.  
<sup>3</sup>Vehicles that are private, rental, or used for personal transportation; and vehicles not in use.  
<sup>4</sup>Distributed miles data are available in Table 8.  
<sup>5</sup>Vehicles that are rental or used for personal transportation; and vehicles not in use.  
<sup>6</sup>Data were derived from administrative records.

**Table 4. Trucks by Vehicle Size: 2002**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>Total</b> .....	<b>1 079.1</b>	<b>967.3</b>	<b>37.1</b>	<b>21.8</b>	<b>52.8</b>	<b>X</b>
Coefficient of variation (percent) .....	.5	.8	15.3	6.7	2.8	X
<b>BUSINESS<sup>1</sup></b>						
For-hire transportation or warehousing .....	20.0	S	1.6	1.8	10.0	18.1
Vehicle leasing or rental .....	8.8	8.2	S	V	.5	46.4
Agriculture, forestry, fishing, or hunting .....	89.3	40.5	14.0	11.6	23.3	10.3
Mining .....	S	S	S	S	1.2	S
Utilities .....	7.3	S	.7	S	1.2	41.4
Construction .....	56.9	42.1	5.4	2.3	7.1	16.0
Manufacturing .....	12.9	10.8	S	S	1.2	35.7
Wholesale trade .....	5.6	S	1.2	S	.9	38.8
Retail trade .....	36.2	31.8	1.6	1.1	1.8	21.4
Information services .....	.8	S	S	V	S	40.5
Waste management, landscaping, or administrative/support services .....	11.5	S	S	.6	1.9	36.2
Arts, entertainment, or recreation services .....	S	V	S	V	S	S
Accommodation or food services .....	1.0	S	S	S	S	34.1
Other services .....	23.0	20.9	1.4	.5	S	27.8
Personal transportation .....	769.8	767.0	S	S	S	2.4
Not reported .....	7.2	S	S	.9	1.3	41.8
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2
<b>BODY TYPE</b>						
Single-unit trucks .....	1 055.4	967.3	37.1	21.4	29.5	.5
Pickup .....	562.3	547.2	15.0	V	V	1.2
Minivan .....	108.0	108.0	V	V	V	11.8
Other light vans .....	72.4	72.4	V	V	V	15.1
Sport utility .....	226.4	226.4	V	V	V	6.6
Armored .....	V	V	V	V	V	N
Beverage .....	S	V	S	S	S	S
Concrete mixer .....	1.0	V	V	V	1.0	22.3
Concrete pumper .....	S	V	V	V	S	S
Crane .....	S	V	S	V	S	S
Curtainside .....	S	V	V	S	V	S
Dump .....	16.8	1.2	2.4	5.0	8.2	7.4
Flatbed, stake, or platform .....	20.7	4.4	7.7	5.6	3.1	6.9
Low boy .....	S	V	V	V	S	S
Pole, logging, pulpwood, or pipe .....	S	V	V	S	V	S
Service, utility .....	4.6	1.3	1.7	S	1.3	16.4
Service, other .....	3.2	1.5	1.1	S	.4	19.9
Street sweeper .....	V	V	V	V	V	N
Tank, dry bulk .....	.7	V	S	S	S	38.9
Tank, liquids or gases .....	3.5	S	S	.9	2.2	17.2
Tow/Wrecker .....	2.0	S	.7	.7	.3	24.0
Trash, garbage, or recycling .....	2.1	V	V	S	1.8	19.9
Vacuum .....	S	V	V	V	S	S
Van, basic enclosed .....	5.6	1.5	1.6	2.1	.3	14.3
Van, insulated nonrefrigerated .....	S	V	S	V	V	S
Van, insulated refrigerated .....	.6	S	S	S	V	47.0
Van, open top .....	18.0	.5	3.0	4.6	9.9	7.4
Van, step, walk-in, or multistop .....	4.7	1.6	2.5	.6	S	16.4
Van, other .....	1.5	.8	S	S	S	29.8
Other .....	V	V	V	V	V	N
Truck-tractors .....	23.7	V	V	.4	23.3	3.3
Automobile carrier .....	S	V	V	V	S	S
Beverage .....	.5	V	V	V	.5	40.7
Curtainside .....	S	V	V	V	S	S
Dump .....	3.4	V	V	V	3.4	10.9
Flatbed, stake, or platform .....	3.5	V	V	S	3.5	12.3
Livestock .....	1.1	V	V	V	1.1	20.4
Low boy .....	1.4	V	V	V	1.4	15.9
Mobile home toter .....	.1	V	V	V	.1	49.2
Open top .....	4.1	V	V	V	4.1	9.7
Pole, logging, pulpwood, or pipe .....	S	V	V	V	S	S
Tank, dry bulk .....	.6	V	V	V	.6	25.3
Tank, liquids or gases .....	.9	V	V	V	.9	19.8
Van, basic enclosed .....	4.7	V	V	S	4.6	9.6
Van, drop-frame .....	S	V	V	V	S	S
Van, insulated nonrefrigerated .....	S	V	V	V	S	S
Van, insulated refrigerated .....	2.1	V	V	V	2.1	14.9
Other .....	S	V	V	V	S	S
Not applicable <sup>3</sup> .....	.7	V	V	S	.5	27.5
<b>ANNUAL MILES</b>						
Less than 5,000 .....	238.4	185.5	15.9	14.3	22.7	7.4
5,000 to 9,999 .....	229.2	216.9	4.8	2.2	5.2	8.1
10,000 to 19,999 .....	423.2	404.1	10.0	2.1	7.0	5.2
20,000 to 29,999 .....	98.8	91.1	S	1.0	2.5	13.3
30,000 to 49,999 .....	47.8	42.1	1.2	1.0	3.6	18.9
50,000 to 74,999 .....	9.0	S	S	S	2.4	39.8
75,000 or more .....	9.9	S	V	V	7.8	20.9
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2
<b>PRIMARY RANGE OF OPERATION</b>						
Off-the-road .....	27.3	19.0	S	1.1	3.4	23.9
50 miles or less .....	766.9	701.1	22.0	14.2	29.6	2.7
51 to 100 miles .....	89.8	77.2	S	1.3	5.4	13.8
101 to 200 miles .....	35.2	29.1	S	.7	2.8	22.4
201 to 500 miles .....	13.6	10.7	S	S	2.5	33.7
501 miles or more .....	21.0	16.6	S	V	4.3	27.8
Not reported .....	102.5	94.4	1.8	3.2	3.2	12.9
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2

See footnotes at end of table.

**Table 4. Trucks by Vehicle Size: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Vehicle size					Coefficient of variation of total (percent)
	Total	Light	Medium	Light-heavy	Heavy-heavy	
<b>PRIMARY JURISDICTION</b>						
Operated in Canada.....	V	V	V	V	V	N
Operated in Mexico.....	V	V	V	V	V	N
Operated within the home base state.....	942.2	851.2	31.8	17.4	41.7	1.6
Operated in states other than the home base state.....	18.2	8.6	S	S	6.6	25.6
Not reported.....	95.8	88.2	1.7	3.0	2.9	13.3
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2
<b>MONTHS OPERATED</b>						
12.....	756.8	711.9	18.3	6.5	20.2	2.7
7 to 11.....	115.2	98.4	5.2	3.0	8.6	11.8
2 to 6.....	120.7	97.4	5.9	4.4	12.9	11.2
1 or less.....	63.7	40.4	7.0	6.7	9.6	14.3
Vehicle not used.....	22.8	19.3	.7	1.1	1.6	27.2
<b>AVERAGE WEIGHT (POUNDS)</b>						
Less than 6,001.....	705.4	705.4	N	N	N	2.9
6,001 to 8,500.....	211.6	211.6	N	N	N	8.7
8,501 to 10,000.....	50.4	50.4	N	N	N	18.4
10,001 to 14,000.....	26.6	N	26.6	N	N	21.0
14,001 to 16,000.....	5.1	N	5.1	N	N	15.8
16,001 to 19,500.....	5.5	N	5.5	N	N	15.2
19,501 to 26,000.....	21.8	N	N	21.8	N	6.7
26,001 to 33,000.....	9.8	N	N	N	9.8	10.7
33,001 to 40,000.....	6.8	N	N	N	6.8	12.4
40,001 to 50,000.....	8.6	N	N	N	8.6	9.1
50,001 to 60,000.....	9.7	N	N	N	9.7	6.4
60,001 to 80,000.....	14.8	N	N	N	14.8	4.1
80,001 to 100,000.....	3.0	N	N	N	3.0	11.0
100,001 to 130,000.....	S	N	N	N	S	S
130,001 or more.....	V	N	N	N	V	N
<b>TOTAL LENGTH (FEET)</b>						
Less than 20.0.....	863.9	843.9	10.0	6.0	3.8	1.8
20.0 to 27.9.....	102.4	64.6	12.4	11.6	13.7	10.8
28.0 to 35.9.....	77.3	58.7	6.9	2.5	9.2	14.1
36.0 to 40.9.....	11.4	S	7.4	.5	3.3	32.2
41.0 to 44.9.....	2.0	V	V	.6	1.4	20.5
45.0 to 49.9.....	1.9	V	S	S	1.4	20.2
50.0 to 54.9.....	3.0	V	V	S	3.0	13.8
55.0 to 59.9.....	4.5	V	V	S	4.2	10.5
60.0 to 64.9.....	4.8	V	V	S	4.8	8.7
65.0 to 69.9.....	4.5	V	V	V	4.5	9.3
70.0 to 74.9.....	2.6	V	V	V	2.6	14.6
75.0 to 79.9.....	6	V	V	V	.6	24.4
80.0 or more.....	.2	V	V	V	.2	44.0
<b>MILES PER GALLON</b>						
Less than 5.....	16.8	S	1.8	2.2	10.1	13.9
5 to 6.9.....	39.5	7.5	4.1	4.6	23.4	9.8
7 to 8.9.....	37.1	22.2	4.1	3.4	7.5	17.8
9 to 10.9.....	86.2	69.0	10.8	3.1	3.4	13.5
11 to 12.9.....	91.1	82.8	6.9	1.2	6	13.9
13 to 14.9.....	72.7	71.5	.6	S	S	15.9
15 or more.....	556.0	551.2	S	S	S	4.0
15 to 20.9.....	427.4	422.5	S	S	S	5.2
21 to 24.9.....	95.9	95.9	V	V	V	13.8
25 or more.....	32.7	32.7	V	V	V	24.6
Not reported.....	156.7	141.1	3.5	5.9	6.2	10.1
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2
<b>MODEL YEAR</b>						
2003.....	S	V	V	V	S	S
2002.....	81.3	77.7	S	S	.9	15.1
2001.....	62.4	60.4	.7	S	1.3	17.2
2000.....	65.6	61.7	1.1	.6	2.2	16.6
1999.....	77.9	71.8	S	.6	2.3	15.1
1998.....	70.8	65.9	S	S	1.6	16.0
1997.....	71.0	67.0	1.5	.6	1.8	15.8
1996.....	68.6	65.6	.7	S	1.9	16.1
1995.....	51.6	46.2	S	S	2.5	18.7
1994.....	51.6	48.0	.8	.6	2.3	18.7
1993.....	52.6	50.0	.6	V	2.0	18.7
Pre-1993.....	425.6	353.2	20.2	18.2	34.0	5.0
<b>VEHICLE ACQUISITION</b>						
New.....	346.5	309.8	17.9	4.6	14.1	6.0
Used.....	683.3	611.8	18.3	16.3	36.8	3.2
Not reported.....	49.3	45.8	.8	.8	1.9	19.1
<b>LEASE CHARACTERISTICS</b>						
Leased.....	36.9	28.9	1.9	1.1	5.0	20.5
Lessee.....	29.8	22.8	1.9	.9	4.2	22.6
Vehicle only.....	5.9	S	1.9	.9	2.7	12.3
Vehicle with driver.....	1.3	V	V	V	1.3	16.0
Not reported.....	S	V	V	V	S	S
Not applicable <sup>4</sup> .....	22.5	22.5	V	V	V	29.9
Lessor.....	S	S	V	S	.7	S
Vehicle only.....	8	S	V	S	5.5	31.1
Vehicle with driver.....	S	V	V	V	S	S
Not reported.....	V	V	V	V	V	N
Not applicable <sup>4</sup> .....	S	S	V	V	V	S
Not leased.....	S	S	V	V	S	S
Not reported.....	654.7	584.7	22.4	13.8	33.8	3.4
Not applicable <sup>2</sup> .....	387.5	353.7	12.8	7.0	14.0	5.6

See footnotes at end of table.



**Table 4. Trucks by Vehicle Size: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>LEASE CHARACTERISTICS—Con.</b>						
Length of leasing agreement:						
Leased .....	36.9	28.9	1.9	1.1	5.0	20.5
1 to 11 months .....	.2	V	V	V	.2	44.0
12 months or more .....	7.9	S	1.9	.9	4.7	9.8
Not reported .....	S	V	V	S	S	S
Not applicable <sup>4</sup> .....	28.6	28.6	V	V	V	26.4
Provisions of lease <sup>5</sup> :						
Financing only .....	4.3	S	1.6	.9	1.7	15.2
Full maintenance .....	1.6	S	S	S	1.1	21.1
Payment of taxes .....	2.6	S	S	S	2.0	14.7
Obtaining licenses and permits .....	3.4	S	S	S	2.9	11.5
Recordkeeping .....	2.2	S	S	S	1.7	16.6
Fuel contract .....	.7	V	S	S	.4	29.5
<b>PRIMARY OPERATOR CLASSIFICATION</b>						
Private .....	253.8	166.1	32.1	18.4	37.1	6.7
Motor carrier .....	15.7	S	1.5	1.8	9.7	14.1
Owner operator .....	8.1	S	S	S	3.7	35.1
Rental .....	8.8	8.2	S	V	.5	46.3
Personal transportation .....	769.8	767.0	S	S	S	2.4
Not applicable <sup>2</sup> .....	22.8	19.3	.7	1.1	1.6	27.2
For-hire characteristics:						
Type of carrier:						
Contract .....	6.4	S	S	S	5.3	8.8
Common .....	8.6	S	.6	1.4	6.3	8.6
Not reported .....	2.8	S	.7	S	1.8	17.8
Not applicable <sup>6</sup> .....	1 061.3	966.6	35.4	19.9	39.4	.5
Type of service:						
Truckload .....	11.0	V	.6	.9	9.5	5.9
Less-than truckload .....	4.0	.6	.6	.8	2.1	15.7
Not reported .....	2.8	S	.6	S	1.8	17.8
Not applicable <sup>6</sup> .....	1 061.3	966.6	35.4	19.9	39.4	.5
Source of hauls:						
Shippers or receivers .....	11.6	.6	.9	1.2	8.9	6.9
Brokers .....	.7	V	V	V	.7	22.3
Centralized markets or exchanges .....	.5	V	S	S	.3	40.7
Other .....	V	V	V	V	V	N
Not reported .....	5.0	S	.7	.6	3.6	12.2
Not applicable <sup>6</sup> .....	1 061.3	966.6	35.4	19.9	39.4	.5
<b>HAZARDOUS MATERIALS CARRIED<sup>7</sup></b>						
Carrying hazardous materials .....	5.4	S	S	.9	4.1	12.9
Not carrying hazardous materials .....	87.7	10.0	18.9	16.6	42.2	1.7
Not reported .....	11.3	2.4	1.8	2.9	4.3	9.2
Not applicable <sup>8</sup> .....	974.6	954.8	16.1	1.4	2.3	.6
<b>EQUIPMENT TYPE<sup>5 9</sup></b>						
Aerial work platform/bucket .....	1.7	.6	S	S	S	27.5
Air bag(s) (safety device only) .....	540.8	531.9	6.5	.6	1.9	4.0
Air compressor (except air brakes) .....	4.0	S	S	.5	2.7	14.5
Air-conditioning .....	852.3	803.6	19.5	3.9	25.2	2.0
Air springs .....	10.4	S	S	S	9.9	5.6
Antilock brake system .....	562.6	541.4	10.6	2.0	8.6	3.9
Collision warning system .....	S	V	V	V	S	S
Computerized drive train control unit .....	126.5	122.7	S	S	1.5	11.8
Crane .....	2.5	S	S	S	1.7	20.4
Electronic vehicle identification device .....	.5	V	V	V	.5	27.1
Engine retarder/brake .....	12.1	S	S	S	11.7	4.4
Front-wheel drive .....	387.5	383.2	S	V	V	5.6
Hoist .....	34.1	2.1	6.7	9.1	16.2	4.8
Idle-reducing technology (portable auxiliary pack, electrification, etc.) .....	1.9	S	S	S	1.2	19.6
Internet access .....	.1	V	V	V	.1	49.2
Lift gate .....	4.4	.7	1.4	.8	1.5	15.7
Mounting bar for snowplow .....	S	S	S	S	S	S
Navigational system .....	S	V	V	S	S	S
Power take-off .....	41.7	1.5	7.0	8.6	24.5	4.0
Radial tires .....	727.2	672.0	14.3	7.3	33.6	2.9
Reflective material in addition to those required by law .....	8.4	S	1.3	1.3	5.4	9.9
Road speed governor .....	21.2	1.0	2.0	2.4	15.8	5.6
Toolbox .....	144.6	118.7	13.4	2.5	10.0	10.0
Trip recorder or on-board computer with communication capabilities .....	41.1	36.7	S	.7	.9	21.1
Trip recorder or on-board computer without communication capabilities .....	168.9	165.4	S	S	1.0	9.9
Vehicle control aids for handicapped drivers .....	S	S	V	V	V	S
Wheelchair lift .....	S	S	V	V	V	S
Winch .....	15.4	10.8	1.6	.8	2.2	30.5
Transmission type:						
Automatic .....	807.8	792.3	10.1	2.6	2.9	2.1
Manual .....	242.4	151.8	26.0	17.7	46.9	6.5
Semiautomated manual .....	.5	S	V	V	.3	45.9
Automated manual .....	.1	V	V	V	.1	49.2
Not reported .....	28.3	23.1	1.0	1.5	2.6	24.2
Braking system:						
Hydraulic (standard) .....	36.7	7.4	11.6	10.8	6.9	4.5
Hydraulic with power assist .....	26.9	5.1	8.3	7.4	6.1	5.8
Air .....	40.7	S	.8	2.2	37.7	2.8
Other .....	V	V	V	V	V	N
Not reported .....	5.6	.7	1.3	1.4	2.2	13.8
Not applicable <sup>10</sup> .....	969.1	954.1	15.0	V	V	.6

See footnotes at end of table.

**Table 4. Trucks by Vehicle Size: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>FUEL TYPE AND ENGINE SIZE</b>						
Fuel type:						
Gasoline	929.1	876.8	25.4	15.1	11.7	1.5
Diesel	105.3	50.5	10.7	4.8	39.3	9.4
Natural gas	V	V	V	V	V	N
Propane	1.2	S	S	.7	S	34.0
Alcohol fuels	S	S	V	V	V	S
Electricity	V	V	V	V	V	N
Combination	18.6	18.5	S	V	V	32.8
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable <sup>2</sup>	22.8	19.3	.7	1.1	1.6	27.2
Cylinders <sup>11</sup> :						
4 cylinders	96.3	95.6	.3	S	S	13.8
6 cylinders	413.6	375.6	2.0	3.7	32.3	5.0
8 cylinders	523.0	481.8	25.3	8.5	7.4	4.1
Other	46.2	14.3	9.6	9.3	13.1	12.2
Cubic inch displacement <sup>11</sup> :						
Gasoline fuel	929.1	876.8	25.4	15.1	11.7	1.5
Less than 200	182.3	182.3	V	V	V	9.6
200 to 299	284.9	284.4	S	S	V	6.8
300 to 349	187.8	186.0	1.1	S	.6	9.4
350 to 399	182.5	170.5	7.9	2.2	2.0	9.3
400 or more	47.9	37.2	8.8	1.0	.8	19.0
Not available	43.8	16.5	7.4	11.6	8.3	13.0
Diesel fuel	105.3	50.5	10.7	4.8	39.3	9.4
Less than 400	22.7	18.7	2.1	.9	1.0	26.0
400 to 599	50.1	31.7	7.7	2.9	7.8	16.4
600 to 799	10.3	V	S	S	9.8	6.5
800 or more	13.0	V	V	S	12.9	4.6
Not available	9.3	S	.8	.5	7.8	7.8
Other fuel	21.8	20.7	S	.7	S	29.6
Less than 400	21.1	20.6	V	.6	S	30.5
400 or more	.6	S	S	S	V	49.7
Not available	S	V	V	V	S	S
Not reported	S	V	V	V	S	S
Not applicable <sup>2</sup>	22.8	19.3	.7	1.1	1.6	27.2
<b>REFUELING LOCATION</b>						
Gas station	897.7	850.6	20.1	9.9	17.1	1.7
Truck stop	25.9	8.9	S	.8	13.1	18.2
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	77.4	37.8	11.9	8.7	19.0	11.9
Other company's/contractor's facility not open to the public	7.4	S	.5	V	.7	48.8
Other	S	S	V	V	V	S
Not reported	45.8	42.4	.7	1.3	1.4	19.8
Not applicable <sup>2</sup>	22.8	19.3	.7	1.1	1.6	27.2
<b>MAINTENANCE<sup>5</sup></b>						
General maintenance performed by:						
None performed	37.7	35.3	.7	1.0	.6	22.0
Company-owned maintenance facility	94.9	57.8	12.4	5.4	19.3	11.6
General repair business or private mechanic	397.3	365.3	14.3	4.1	13.5	5.4
Dealership service department	223.4	213.9	S	S	5.1	8.2
Leasing company	S	S	S	V	.7	S
Individual not employed/paid by any maintenance type facility	451.5	409.7	11.5	9.4	20.9	4.8
Other	V	V	V	V	V	N
Not reported	42.9	40.3	S	1.0	1.1	20.7
Not applicable <sup>2</sup>	22.8	19.3	.7	1.1	1.6	27.2
Extensive repairs performed by:						
None performed	828.2	742.0	30.5	17.1	38.5	2.3
Company-owned maintenance facility	26.7	20.6	.8	.6	4.7	24.0
General repair business or private mechanic	51.9	45.6	1.6	.7	4.0	18.1
Dealership service department	54.3	49.1	S	S	2.2	18.3
Leasing company	S	S	V	V	.1	S
Component distributorship (engine, transmission, body, etc.)	S	S	S	S	.4	S
Individual not employed/paid by any repair type facility	51.1	48.4	.5	.6	1.7	18.9
Other	V	V	V	V	V	N
Not reported	S	V	V	V	S	S
Not applicable <sup>2</sup>	22.8	19.3	.7	1.1	1.6	27.2
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>						
Single-unit trucks and truck-tractors without trailer	1 034.4	961.2	25.8	20.5	26.9	.8
2 axles	1 021.0	961.0	25.5	20.0	14.6	.8
3 axles	11.6	S	S	.3	11.0	5.7
4 axles	1.0	V	V	V	1.0	18.6
5 axles or more	.3	V	V	V	.3	37.1
Not reported	.5	S	S	S	S	43.1
Combinations	44.7	S	11.3	1.3	25.9	13.2
Single-unit trucks with trailer	21.7	S	11.3	1.2	3.0	27.1
3 axles	S	S	S	S	S	S
4 axles	14.2	S	9.2	1.0	1.9	33.0
5 axles or more	1.0	V	V	V	1.0	21.9
Not reported	V	V	V	V	V	N
Truck-tractors with single trailer	22.2	V	V	S	22.1	3.3
3 axles	2.1	V	V	S	2.1	21.0
4 axles	2.2	V	V	S	2.1	18.5
5 axles or more	16.9	V	V	V	16.9	3.0
Not reported	1.0	V	V	V	1.0	21.9
Truck-tractors with double trailers	.8	V	V	V	.8	33.8
5 axles	.5	V	V	V	.5	47.0
6 axles	.2	V	V	V	.2	40.1
7 axles	S	V	V	V	S	S
8 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N
Truck-tractors with triple trailers	V	V	V	V	V	N
7 axles	V	V	V	V	V	N
8 axles	V	V	V	V	V	N
9 axles	V	V	V	V	V	N
10 axles or more	V	V	V	V	V	N
Not reported	V	V	V	V	V	N

See footnotes at end of table.

**Table 4. Trucks by Vehicle Size: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>TRUCK TYPE AND AXLE ARRANGEMENT—Con.</b>						
Driving axles:						
1 .....	656.9	583.1	30.7	20.7	22.4	3.3
2 .....	421.9	384.2	6.4	1.1	30.2	5.2
3 or more .....	S	V	V	V	S	S
Not reported .....	.3	V	S	S	.1	37.1
Total liftable axles and locations <sup>12</sup> :						
None .....	106.7	13.1	21.8	21.5	50.2	.9
1 .....	2.7	S	S	S	2.2	17.2
Forward of the drive axle .....	1.7	S	S	S	1.3	22.2
Below the chassis .....	.5	V	V	V	.5	40.7
Beyond the chassis .....	S	V	V	V	S	S
Not reported .....	.4	V	S	S	S	45.7
2 or more .....	.3	V	V	V	.3	37.1
Forward of the drive axle .....	.3	V	V	V	.3	37.1
Below the chassis .....	V	V	V	V	V	N
Beyond the chassis .....	S	V	V	V	S	S
Not reported .....	V	V	V	V	V	N
Not reported .....	.3	V	S	S	.1	37.1
Not applicable <sup>10</sup> .....	969.1	954.1	15.0	V	V	.6
Total liftable axles and number of braking axles:						
None .....	106.7	13.1	21.8	21.5	50.2	.9
1 .....	2.7	S	S	S	2.2	17.2
0 braking .....	.5	S	V	S	.1	45.9
1 braking .....	2.1	V	S	S	1.9	19.0
Not reported .....	S	V	V	V	S	S
2 or more .....	.3	V	V	V	.3	37.1
0 braking .....	V	V	V	V	V	N
1 braking .....	V	V	V	V	V	N
2 or more braking .....	.3	V	V	V	.3	37.1
Not reported .....	V	V	V	V	V	N
Not reported .....	.3	V	S	S	.1	37.1
Not applicable <sup>10</sup> .....	969.1	954.1	15.0	V	V	.6
<b>CAB TYPE</b>						
Conventional cab .....	101.0	12.4	20.3	20.4	47.8	1.1
With sleeper .....	10.6	V	V	V	10.6	4.9
Without sleeper .....	89.9	12.4	20.3	20.4	36.8	1.4
Not reported .....	.4	V	V	V	.4	28.3
Cab over engine .....	8.6	.7	1.7	1.3	4.8	8.8
With sleeper .....	1.7	V	V	S	1.7	14.1
Without sleeper .....	6.9	.7	1.7	1.3	3.1	10.5
Not reported .....	V	V	V	V	V	N
Cab forward of engine .....	S	V	V	V	S	S
Cab beside engine .....	S	S	V	V	S	S
Not reported .....	.2	V	S	S	S	44.0
Not applicable <sup>10</sup> .....	969.1	954.1	15.0	V	V	.6

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Vehicles not in use.

<sup>3</sup>Truck-tractors not in use.

<sup>4</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

<sup>5</sup>Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>7</sup>Distributed miles data are available in Table 8.

<sup>8</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>9</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

<sup>10</sup>Pickups, minivans, other light vans, and sport utilities.

<sup>11</sup>Data were derived from administrative records.

<sup>12</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

**Table 5. Trucks by Truck Type: 2002**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
<b>Total</b> .....	<b>1 079.1</b>	<b>1 034.4</b>	<b>44.7</b>	<b>21.7</b>	<b>22.2</b>	<b>.8</b>	<b>V</b>	<b>X</b>
Coefficient of variation (percent) .....	.5	.8	13.2	27.1	3.3	33.8	N	X
<b>BUSINESS<sup>1</sup></b>								
For-hire transportation or warehousing .....	20.0	11.5	8.5	S	7.8	.7	V	18.1
Vehicle leasing or rental .....	8.8	8.4	.4	V	.4		V	46.4
Agriculture, forestry, fishing, or hunting .....	89.3	75.3	14.0	6.2	7.8		S	10.3
Mining .....	S	S	S	S	.4		V	S
Utilities .....	7.3	S	S	S	.1		V	41.4
Construction .....	56.9	51.0	5.9	S	2.4		V	16.0
Manufacturing .....	12.9	12.0	.9	S	.7		V	35.7
Wholesale trade .....	5.6	5.0	.6	S	.6		V	38.8
Retail trade .....	36.2	35.5	.7	S	.5		V	21.4
Information services .....	.8	.8	V	V	V		V	40.5
Waste management, landscaping, or administrative/support services .....	11.5	11.1	.4	S	.3		V	36.2
Arts, entertainment, or recreation services .....	S	S	S	V	S		V	S
Accommodation or food services .....	1.0	.8	S	V	V		V	34.1
Other services .....	23.0	22.8	S	V	S		V	27.8
Personal transportation .....	769.8	763.4	S	S	S		V	2.4
Not reported .....	7.2	6.3	.8	S	.7		V	41.8
Not applicable <sup>2</sup> .....	22.8	22.8	V	V	V		V	27.2
<b>BODY TYPE</b>								
Single-unit trucks .....	1 055.4	1 033.7	21.7	21.7	N	N	N	.5
Pickup .....	562.3	547.5	14.8	14.8	N	N	N	1.2
Minivan .....	108.0	108.0	V	V	N	N	N	11.8
Other light vans .....	72.4	70.4	S	S	N	N	N	15.1
Sport utility .....	226.4	226.4	V	V	N	N	N	6.6
Armored .....	V	V	V	V	N	N	N	N
Beverage .....	S	S	V	V	N	N	N	S
Concrete mixer .....	1.0	1.0	V	V	N	N	N	22.3
Concrete pumper .....	S	S	V	V	N	N	N	S
Crane .....	S	S	V	V	N	N	N	S
Curtainside .....	S	S	V	V	N	N	N	S
Dump .....	16.8	14.9	1.9	1.9	N	N	N	7.4
Flatbed, stake, or platform .....	20.7	19.0	1.7	1.7	N	N	N	6.9
Low boy .....	S	V	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe .....	S	S	V	V	N	N	N	S
Service, utility .....	4.6	4.2	S	S	N	N	N	16.4
Service, other .....	3.2	3.2	V	V	N	N	N	19.9
Street sweeper .....	V	V	V	V	N	N	N	N
Tank, dry bulk .....	.7	.7	V	V	N	N	N	38.9
Tank, liquids or gases .....	3.5	3.1	.3	.3	N	N	N	17.2
Tow/Wrecker .....	2.0	1.8	S	S	N	N	N	24.0
Trash, garbage, or recycling .....	2.1	2.1	V	V	N	N	N	19.9
Vacuum .....	S	S	V	V	N	N	N	S
Van, basic enclosed .....	5.6	5.4	S	S	N	N	N	14.3
Van, insulated nonrefrigerated .....	S	S	V	V	N	N	N	S
Van, insulated refrigerated .....	.6	.6	V	V	N	N	N	47.0
Van, open top .....	18.0	17.8	S	S	N	N	N	7.4
Van, step, walk-in, or multistop .....	4.7	4.7	V	V	N	N	N	16.4
Van, other .....	1.5	1.5	V	V	N	N	N	29.8
Other .....	V	V	V	V	N	N	N	N
Truck-tractors .....	23.7	.7	23.0	N	22.2	.8	V	3.3
Automobile carrier .....	S	N	S	N	S	V	V	S
Beverage .....	.5	N	.5	N	.5	V	V	40.7
Curtainside .....	S	S	S	N	S	V	V	S
Dump .....	3.4	N	3.4	N	3.4	S	V	10.9
Flatbed, stake, or platform .....	3.5	N	3.5	N	3.5	V	V	12.3
Livestock .....	1.1	N	1.1	N	1.1	V	V	20.4
Low boy .....	1.4	N	1.4	N	1.4	V	V	15.9
Mobile home toter .....	.1	N	.1	N	.1	V	V	49.2
Open top .....	4.1	N	4.1	N	4.1	V	V	9.7
Pole, logging, pulpwood, or pipe .....	S	N	S	N	S	V	V	S
Tank, dry bulk .....	.6	N	.6	N	.6	V	V	25.3
Tank, liquids or gases .....	.9	N	.9	N	.9	V	V	19.8
Van, basic enclosed .....	4.7	N	4.7	N	4.0	.7	V	9.6
Van, drop-frame .....	S	N	S	N	S	V	V	S
Van, insulated nonrefrigerated .....	S	N	S	N	S	V	V	S
Van, insulated refrigerated .....	2.1	N	2.1	N	2.1	V	V	14.9
Other .....	S	N	S	N	S	V	V	S
Not applicable <sup>3</sup> .....	.7	.7	V	N	V	V	V	27.5
<b>ANNUAL MILES</b>								
Less than 5,000 .....	238.4	224.6	13.8	8.0	5.7	S	V	7.4
5,000 to 9,999 .....	229.2	225.9	3.3	1.1	2.2	V	V	8.1
10,000 to 19,999 .....	423.2	411.6	11.7	9.6	2.1	V	V	5.2
20,000 to 29,999 .....	98.8	95.1	S	S	1.0	S	V	13.3
30,000 to 49,999 .....	47.8	45.5	2.3	S	2.2	S	V	18.9
50,000 to 74,999 .....	9.0	S	2.3	S	1.9	S	V	39.8
75,000 or more .....	9.9	S	7.6	S	7.1	.3	V	20.9
Not applicable <sup>2</sup> .....	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

**Table 5. Trucks by Truck Type: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
<b>PRIMARY RANGE OF OPERATION</b>								
Off-the-road .....	27.3	24.0	S	S	.8	V	V	23.9
50 miles or less .....	766.9	743.8	23.1	13.9	9.2	S	V	2.7
51 to 100 miles .....	89.8	84.2	5.5	S	2.6	S	V	13.8
101 to 200 miles .....	35.2	30.8	4.4	S	3.2	V	V	22.4
201 to 500 miles .....	13.6	11.3	2.4	V	2.1	.3	V	33.7
501 miles or more .....	21.0	16.9	4.1	S	3.9	S	V	27.8
Not reported .....	102.5	100.6	1.9	S	1.5	S	V	12.9
Not applicable <sup>2</sup> .....	22.8	22.8	V	V	V	V	V	27.2
<b>PRIMARY JURISDICTION</b>								
Operated in Canada .....	V	V	V	V	V	V	V	N
Operated in Mexico .....	V	V	V	V	V	V	V	N
Operated within the home base state .....	942.2	907.1	35.1	19.4	15.3	S	V	1.6
Operated in states other than the home base state .....	18.2	10.1	8.1	S	5.5	S	V	25.6
Not reported .....	95.8	94.3	1.5	.1	1.3	S	V	13.3
Not applicable <sup>2</sup> .....	22.8	22.8	V	V	V	V	V	27.2
<b>MONTHS OPERATED</b>								
12 .....	756.8	733.7	23.1	11.4	11.1	.6	V	2.7
7 to 11 .....	115.2	107.3	7.9	S	4.5	S	V	11.8
2 to 6 .....	120.7	111.9	8.7	S	4.1	S	V	11.2
1 or less .....	63.7	58.7	4.9	S	2.4	S	V	14.3
Vehicle not used .....	22.8	22.8	V	V	V	V	V	27.2
<b>VEHICLE SIZE</b>								
Light .....	967.3	961.2	S	S	V	V	V	.8
Medium .....	37.1	25.8	11.3	11.3	V	V	V	15.3
Light-heavy .....	21.8	20.5	1.3	1.2	S	V	V	6.7
Heavy-heavy .....	52.8	26.9	25.9	3.0	22.1	.8	V	2.8
<b>AVERAGE WEIGHT (POUNDS)</b>								
Less than 6,001 .....	705.4	701.3	S	S	V	V	V	2.9
6,001 to 8,500 .....	211.6	209.5	S	S	V	V	V	8.7
8,501 to 10,000 .....	50.4	50.4	V	V	V	V	V	18.4
10,001 to 14,000 .....	26.6	15.6	11.0	11.0	V	V	V	21.0
14,001 to 16,000 .....	5.1	4.8	S	S	V	V	V	15.8
16,001 to 19,500 .....	5.5	5.5	V	V	V	V	V	15.2
19,501 to 26,000 .....	21.8	20.5	1.3	1.2	S	V	V	6.7
26,001 to 33,000 .....	9.8	8.3	1.5	1.0	.5	V	V	10.7
33,001 to 40,000 .....	6.8	5.3	1.4	1.0	.4	V	V	12.4
40,001 to 50,000 .....	8.6	5.7	2.9	S	2.7	V	V	9.1
50,001 to 60,000 .....	9.7	6.9	2.8	.4	2.4	S	V	6.4
60,001 to 80,000 .....	14.8	.6	14.3	.3	13.3	.7	V	4.1
80,001 to 100,000 .....	3.0	S	2.9	.2	2.7	S	V	11.0
100,001 to 130,000 .....	S	V	S	V	S	V	V	S
130,001 or more .....	V	V	V	V	V	V	V	N
<b>TOTAL LENGTH (FEET)</b>								
Less than 20.0 .....	863.9	863.9	V	V	V	V	V	1.8
20.0 to 27.9 .....	102.4	100.0	S	S	V	V	V	10.8
28.0 to 35.9 .....	77.3	67.7	9.6	9.1	.5	V	V	14.1
36.0 to 40.9 .....	11.4	1.7	9.7	8.0	1.7	V	V	32.2
41.0 to 44.9 .....	2.0	S	1.7	.5	1.2	V	V	20.5
45.0 to 49.9 .....	1.9	.5	1.4	S	1.1	V	V	20.2
50.0 to 54.9 .....	3.0	S	2.8	.7	2.1	S	V	13.8
55.0 to 59.9 .....	4.5	V	4.5	S	4.1	V	V	10.5
60.0 to 64.9 .....	4.8	V	4.8	S	4.7	V	V	8.7
65.0 to 69.9 .....	4.5	V	4.5	S	4.2	S	V	9.3
70.0 to 74.9 .....	2.6	V	2.6	V	2.0	.6	V	14.6
75.0 to 79.9 .....	.6	V	.6	S	.5	V	V	24.4
80.0 or more .....	.2	V	.2	V	.1	S	V	44.0
<b>MILES PER GALLON</b>								
Less than 5 .....	16.8	11.8	5.0	.6	4.4	S	V	13.9
5 to 6.9 .....	39.5	25.9	13.6	1.3	12.2	S	V	9.8
7 to 8.9 .....	37.1	33.7	3.5	.7	2.7	.6	V	17.8
9 to 10.9 .....	86.2	76.7	9.5	8.8	.7	V	V	13.5
11 to 12.9 .....	91.1	86.1	S	S	S	V	V	13.9
13 to 14.9 .....	72.7	72.4	S	S	S	V	V	15.9
15 or more .....	556.0	551.9	S	S	S	V	V	4.0
15 to 20.9 .....	427.4	425.2	S	S	S	V	V	5.2
21 to 24.9 .....	95.9	93.9	S	S	S	V	V	13.8
25 or more .....	32.7	32.7	V	V	V	V	V	24.6
Not reported .....	156.7	153.2	3.5	1.3	2.1	S	V	10.1
Not applicable <sup>2</sup> .....	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

**Table 5. Trucks by Truck Type: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type							Coefficient of variation of total (percent)
	Total	Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
<b>MODEL YEAR</b>								
2003	S	V	S	V	S	V	V	S
2002	81.3	78.4	S	S	.7	S	V	15.1
2001	62.4	59.3	S	S	.7	V	V	17.2
2000	65.6	63.6	2.0	S	1.7	S	V	16.6
1999	77.9	73.8	S	S	1.5	S	V	15.1
1998	70.8	69.5	1.3	V	1.3	V	V	16.0
1997	71.0	69.2	1.8	S	1.4	V	V	15.8
1996	68.6	66.9	1.7	S	1.4	S	V	16.1
1995	51.6	48.0	S	S	1.1	S	V	18.7
1994	51.6	50.4	1.3	S	1.1	S	V	18.7
1993	52.6	51.1	1.5	.5	.9	S	V	18.7
Pre-1993	425.6	404.3	21.4	11.0	10.3	S	V	5.0
<b>VEHICLE ACQUISITION</b>								
New	346.5	328.4	18.2	11.6	6.0	.6	V	6.0
Used	683.3	658.0	25.3	10.1	15.1	2	V	3.2
Not reported	49.3	48.1	1.2	S	1.1	V	V	19.1
<b>LEASE CHARACTERISTICS</b>								
Leased	36.9	32.7	4.2	S	3.8	S	V	20.5
Lessee	29.8	26.3	3.5	S	3.3	S	V	22.6
Vehicle only	5.9	3.9	2.1	S	2.0	S	V	12.3
Vehicle with driver	1.3	V	1.3	V	1.3	V	V	16.0
Not reported	S	V	S	S	V	V	V	S
Not applicable <sup>4</sup>	22.5	22.5	V	V	V	V	V	29.9
Lessor	S	S	.6	S	.4	V	V	S
Vehicle only	.8	S	.5	S	.4	V	V	31.1
Vehicle with driver	S	S	S	V	S	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not applicable <sup>4</sup>	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
Not leased	654.7	631.5	23.2	9.5	13.0	.7	V	3.4
Not reported	387.5	370.2	17.3	11.9	5.4	V	V	5.6
Length of leasing agreement:								
Leased	36.9	32.7	4.2	S	3.8	S	V	20.5
1 to 11 months	.2	S	.1	V	.1	V	V	44.0
12 months or more	7.9	4.0	3.9	S	3.6	S	V	9.8
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>4</sup>	28.6	28.6	V	V	V	V	V	26.4
Provisions of lease <sup>5</sup> :								
Financing only	4.3	3.2	1.1	S	.9	S	V	15.2
Full maintenance	1.6	.6	1.0	V	1.0	V	V	21.1
Payment of taxes	2.6	.7	1.8	S	1.8	V	V	14.7
Obtaining licenses and permits	3.4	.6	2.8	V	2.8	V	V	11.5
Recordkeeping	2.2	.6	1.5	V	1.5	V	V	16.6
Fuel contract	.7	S	.4	V	.4	V	V	29.5
<b>PRIMARY OPERATOR CLASSIFICATION</b>								
Private	253.8	226.4	27.4	15.2	12.2	S	V	6.7
Motor carrier	15.7	8.4	7.3	S	6.5	V	V	14.1
Owner operator	8.1	S	3.2	S	3.0	S	V	35.1
Rental	8.8	8.4	.4	V	.4	V	V	46.3
Personal transportation	769.8	763.4	S	S	S	V	V	2.4
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2
For-hire characteristics:								
Type of carrier:								
Contract	6.4	1.7	4.7	V	4.6	S	V	8.8
Common	8.6	3.5	5.1	S	4.5	S	V	8.6
Not reported	2.8	2.2	.7	S	.5	S	V	17.8
Not applicable <sup>6</sup>	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
Type of service:								
Truckload	11.0	3.0	8.0	S	7.9	S	V	5.9
Less-than truckload	4.0	2.3	1.8	V	1.1	V	V	15.7
Not reported	2.8	2.1	.7	S	.5	S	V	17.8
Not applicable <sup>6</sup>	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
Source of hauls:								
Shippers or receivers	11.6	3.7	7.9	S	7.2	.7	V	6.9
Brokers	.7	S	.6	V	.6	V	V	22.3
Centralized markets or exchanges	.5	S	.1	V	.1	V	V	40.7
Other	V	V	V	V	V	V	V	N
Not reported	5.0	3.2	1.8	S	1.6	S	V	12.2
Not applicable <sup>6</sup>	1 061.3	1 027.0	34.2	21.5	12.7	S	V	.5
<b>HAZARDOUS MATERIALS CARRIED<sup>7</sup></b>								
Carrying hazardous materials	5.4	2.7	2.7	S	1.9	.6	V	12.9
Not carrying hazardous materials	87.7	65.5	22.2	4.3	17.8	.1	V	1.7
Not reported	11.3	9.0	2.3	S	2.1	V	V	9.2
Not applicable <sup>8</sup>	974.6	957.2	17.4	17.0	.4	V	V	.6
<b>EQUIPMENT TYPE<sup>5 9</sup></b>								
Aerial work platform/bucket	1.7	1.6	S	S	V	V	V	27.5
Air bag(s) (safety device only)	540.8	530.9	10.0	8.3	1.7	V	V	4.0
Air compressor (except air brakes)	4.0	2.2	1.7	S	1.3	V	V	14.5
Air-conditioning	852.3	815.4	36.8	19.2	16.9	.7	V	2.0
Air springs	10.4	1.7	8.7	.5	8.2	S	V	5.6

See footnotes at end of table.

**Table 5. Trucks by Truck Type: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
<b>EQUIPMENT TYPE<sup>5 9</sup>—Con.</b>								
Antilock brake system	562.6	548.7	13.9	7.5	6.2	S	V	3.9
Collision warning system	S	V	S	S	S	V	V	S
Computerized drive train control unit	126.5	123.0	S	S	1.4	V	V	11.8
Crane	2.5	2.1	S	S	2.5	V	V	20.4
Electronic vehicle identification device	.5	V	.5	V	.4	S	V	27.1
Engine retarder/brake	12.1	2.1	10.0	.3	9.8	S	V	4.4
Front-wheel drive	387.5	385.3	S	S	V	V	V	5.6
Hoist	34.1	32.5	1.6	1.6	V	V	V	4.8
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	1.9	.7	1.1	S	1.1	V	V	19.6
Internet access	.1	V	.1	V	.1	V	V	49.2
Lift gate	4.4	4.4	V	V	V	V	V	15.7
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	S	S	S	V	S	V	V	S
Power take-off	41.7	34.4	7.3	2.3	5.0	V	V	4.0
Radial tires	727.2	696.2	30.9	13.7	16.6	.6	V	2.9
Reflective material in addition to those required by law	8.4	5.5	2.9	.7	2.2	S	V	9.9
Road speed governor	21.2	10.0	11.3	1.5	9.1	.7	V	5.6
Toolbox	144.6	129.7	14.9	10.6	4.3	S	V	10.0
Trip recorder or on-board computer with communication capabilities	41.1	38.1	S	S	.9	V	V	21.1
Trip recorder or on-board computer without communication capabilities	168.9	164.0	S	S	.8	S	V	9.9
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	15.4	14.7	.6	S	.4	V	V	30.5
<b>Transmission type:</b>								
Automatic	807.8	800.2	7.6	7.2	.4	V	V	2.1
Manual	242.4	206.7	35.7	14.3	20.5	.8	V	6.5
Semiautomated manual	.5	S	S	V	S	V	V	45.9
Automated manual	.1	S	S	V	V	V	V	49.2
Not reported	28.3	27.1	1.2	S	1.0	V	V	24.2
<b>Braking system:</b>								
Hydraulic (standard)	36.7	34.5	2.2	1.8	S	V	V	4.5
Hydraulic with power assist	26.9	26.1	.8	.8	V	V	V	5.8
Air	40.7	16.8	24.0	2.1	21.1	.8	V	2.8
Other	V	V	V	V	V	V	V	N
Not reported	5.6	4.7	.9	S	.7	V	V	13.8
Not applicable <sup>10</sup>	969.1	952.3	16.8	16.8	V	V	V	.6
<b>FUEL TYPE AND ENGINE SIZE</b>								
<b>Fuel type:</b>								
Gasoline	929.1	916.4	12.6	12.5	S	V	V	1.5
Diesel	105.3	73.3	32.0	9.2	22.0	.8	V	9.4
Natural gas	V	V	V	V	V	V	V	N
Propane	1.2	1.2	V	V	V	V	V	34.0
Alcohol fuels	S	S	V	V	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	18.6	18.6	V	V	V	V	V	32.8
Other	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2
<b>Cylinders<sup>11</sup>:</b>								
4 cylinders	96.3	96.3	S	S	V	V	V	13.8
6 cylinders	413.6	390.6	23.0	2.3	19.9	.7	V	5.0
8 cylinders	523.0	505.4	17.6	17.0	.6	V	V	4.1
Other	46.2	42.1	S	S	1.7	S	V	12.2
<b>Cubic inch displacement<sup>11</sup>:</b>								
<b>Gasoline fuel</b>								
Less than 200	929.1	916.4	12.6	12.5	S	V	V	1.5
200 to 299	182.3	182.3	V	V	V	V	V	9.6
300 to 349	284.9	284.9	V	V	V	V	V	6.8
350 to 399	187.8	185.8	S	S	V	V	V	9.4
400 or more	182.5	179.8	S	S	V	V	V	9.3
Not available	47.9	40.2	7.7	7.7	V	V	V	19.0
<b>Diesel fuel</b>								
Less than 400	43.8	43.5	S	S	S	V	V	13.0
400 to 599	105.3	73.3	32.0	9.2	22.0	.8	V	9.4
600 to 799	22.7	21.8	.8	.7	.1	V	V	26.0
800 or more	50.1	40.5	9.6	7.4	2.2	V	V	16.4
Not available	10.3	3.8	6.4	.1	5.8	.5	V	6.5
Other fuel	13.0	1.8	11.1	.7	10.2	S	V	4.6
Not available	9.3	5.3	4.0	S	3.6	S	V	7.8
Other fuel	21.8	21.8	V	V	V	V	V	29.6
Less than 400	21.1	21.1	V	V	V	V	V	30.5
400 or more	.6	.6	V	V	V	V	V	49.7
Not available	S	S	V	V	V	V	V	S
Not reported	S	V	S	V	S	V	V	S
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2
<b>REFUELING LOCATION</b>								
Gas station	897.7	878.3	19.4	13.7	5.6	S	V	1.7
Truck stop	25.9	13.2	12.7	S	9.8	S	V	18.2
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	77.4	66.0	11.4	S	5.7	.5	V	11.9
Other company's/contractor's facility not open to the public	7.4	S	.4	V	.4	V	V	48.8
Other	S	S	V	V	V	V	V	S
Not reported	45.8	45.0	.8	S	.7	V	V	19.8
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2

See footnotes at end of table.

**Table 5. Trucks by Truck Type: 2002—Con.**

[Thousands. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
<b>MAINTENANCE<sup>5</sup></b>								
General maintenance performed by:								
None performed	37.7	35.2	S	S	.2	V	V	22.0
Company-owned maintenance facility	94.9	78.5	16.5	S	9.9	6.6	V	11.6
General repair business or private mechanic	397.3	382.7	14.6	7.7	6.5	5.5	V	5.4
Dealership service department	223.4	215.7	7.7	S	3.0	S	V	8.2
Leasing company	S	S	.6	V	.6	V	V	S
Individual not employed/paid by any maintenance type facility								
Other	451.5	440.3	11.2	S	7.0	S	V	4.8
Not reported	V	V	V	V	V	V	V	N
Not reported	42.9	42.3	.6	V	.6	V	V	20.7
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2
Extensive repairs performed by:								
None performed	828.2	794.8	33.4	16.6	16.2	.6	V	2.3
Company-owned maintenance facility	26.7	24.6	2.2	S	1.9	V	V	24.0
General repair business or private mechanic	51.9	47.8	S	S	1.6	S	V	18.1
Dealership service department	54.3	50.8	S	S	.8	S	V	18.3
Leasing company	S	S	.1	V	.1	V	V	S
Component distributorship (engine, transmission, body, etc.)								
Individual not employed/paid by any repair type facility	S	S	.4	S	.3	V	V	S
Other	51.1	50.3	.9	S	.8	V	V	18.9
Not reported	V	V	V	V	V	V	V	N
Not reported	S	V	S	V	S	V	V	S
Not applicable <sup>2</sup>	22.8	22.8	V	V	V	V	V	27.2
<b>AXLE ARRANGEMENT</b>								
Driving axles:								
1	656.9	634.1	22.8	17.7	4.5	.5	V	3.3
2	421.9	400.1	21.8	S	17.6	.3	V	5.2
3 or more	S	S	S	V	S	V	V	S
Not reported	.3	.2	S	V	S	V	V	37.1
Total liftable axles and locations <sup>12</sup> :								
None	106.7	79.2	27.6	4.8	22.0	.8	V	.9
1	2.7	2.5	.3	.1	S	V	V	17.2
Forward of the drive axle	1.7	1.6	.1	S	S	V	V	22.2
Below the chassis	.5	.5	S	S	V	V	V	40.7
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	.4	S	S	V	S	V	V	45.7
2 or more	.3	.3	V	V	V	V	V	37.1
Forward of the drive axle	.3	.3	V	V	V	V	V	37.1
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not reported	.3	.2	S	V	S	V	V	37.1
Not applicable <sup>10</sup>	969.1	952.3	16.8	16.8	V	V	V	.6
Total liftable axles and number of braking axles:								
None	106.7	79.2	27.6	4.8	22.0	.8	V	.9
1	2.7	2.5	.3	.1	S	V	V	17.2
0 braking	.5	.5	V	V	V	V	V	45.9
1 braking	2.1	1.8	.3	.1	S	V	V	19.0
Not reported	S	S	V	V	V	V	V	S
2 or more	.3	.3	V	V	V	V	V	37.1
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	.3	.3	V	V	V	V	V	37.1
Not reported	V	V	V	V	V	V	V	N
Not reported	.3	.2	S	V	S	V	V	37.1
Not applicable <sup>10</sup>	969.1	952.3	16.8	16.8	V	V	V	.6
<b>CAB TYPE</b>								
Conventional cab								
With sleeper	101.0	75.4	25.5	4.9	19.9	.7	V	1.1
Without sleeper	10.6	S	10.6	V	10.6	S	V	4.9
Not reported	89.9	75.4	14.5	4.9	8.9	.7	V	1.4
Not reported	.4	V	.4	V	.4	V	V	28.3
Cab over engine								
With sleeper	8.6	6.2	2.3	S	2.3	S	V	8.8
Without sleeper	1.7	S	1.6	V	1.6	S	V	14.1
Not reported	6.9	6.1	.7	S	.7	V	V	10.5
Not reported	V	V	V	V	V	V	V	N
Cab forward of engine								
Cab beside engine	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not reported	.2	.2	V	V	V	V	V	44.0
Not applicable <sup>10</sup>	969.1	952.3	16.8	16.8	V	V	V	.6

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.  
<sup>2</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.  
<sup>3</sup>Truck-tractors not in use.  
<sup>4</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.  
<sup>5</sup>Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.  
<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.  
<sup>7</sup>Distributed miles data are available in Table 8.  
<sup>8</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.  
<sup>9</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.  
<sup>10</sup>Pickups, minivans, other light vans, and sport utilities.  
<sup>11</sup>Data were derived from administrative records.  
<sup>12</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).



**Table 6. Truck Miles by Vehicle Size: 2002**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive.]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>Total</b> .....	<b>13 236.6</b>	<b>11 387.9</b>	<b>323.2</b>	<b>121.1</b>	<b>1 404.3</b>	<b>X</b>
Coefficient of variation (percent) .....	3.3	3.8	20.6	14.7	4.9	X
<b>BUSINESS<sup>1</sup></b>						
For-hire transportation or warehousing .....	1 005.3	S	34.8	41.5	781.9	10.7
Vehicle leasing or rental .....	137.6	S	S	V	24.9	46.4
Agriculture, forestry, fishing, or hunting .....	711.6	459.1	46.3	23.8	182.4	19.2
Mining .....	S	S	S	S	22.6	S
Utilities .....	97.6	S	S	S	20.5	42.6
Construction .....	698.7	491.8	S	14.1	126.2	19.2
Manufacturing .....	204.7	142.7	S	S	50.0	35.4
Wholesale trade .....	112.9	S	17.6	S	37.3	35.5
Retail trade .....	830.9	750.2	24.4	13.0	43.3	25.2
Information services .....	S	S	S	V	S	S
Waste management, landscaping, or administrative/support services .....	61.9	S	S	S	36.6	22.6
Arts, entertainment, or recreation services .....	S	V	S	V	S	S
Accommodation or food services .....	38.5	S	S	S	S	48.5
Other services .....	429.4	397.3	26.1	S	S	37.1
Personal transportation .....	8 615.1	8 592.6	S	S	S	4.6
Not reported .....	108.9	S	S	S	51.3	35.7
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
<b>BODY TYPE</b>						
Single-unit trucks .....	12 067.3	11 387.9	323.2	120.1	236.0	3.5
Pickup .....	5 991.1	5 852.0	139.0	V	V	5.5
Minivan .....	1 322.6	1 322.6	V	V	V	14.7
Other light vans .....	947.2	947.2	V	V	V	24.3
Sport utility .....	3 123.8	3 123.8	V	V	V	8.6
Armored .....	V	V	V	V	V	N
Beverage .....	S	V	S	S	S	S
Concrete mixer .....	5.4	V	V	V	5.4	27.1
Concrete pumper .....	S	V	V	V	S	S
Crane .....	S	V	S	V	S	S
Curtainside .....	S	V	V	S	V	S
Dump .....	97.9	.6	4.3	10.8	82.2	17.1
Flatbed, stake, or platform .....	115.5	43.4	40.9	15.3	15.9	13.0
Low boy .....	S	V	V	V	S	S
Pole, logging, pulpwood, or pipe .....	S	V	V	V	V	S
Service, utility .....	54.6	12.9	24.2	S	14.7	19.6
Service, other .....	45.3	17.5	18.0	S	5.4	24.2
Street sweeper .....	V	V	V	V	V	N
Tank, dry bulk .....	1.0	V	S	S	S	40.6
Tank, liquids or gases .....	43.7	S	S	9.6	30.9	23.1
Tow/Wrecker .....	46.0	S	S	S	S	39.8
Trash, garbage, or recycling .....	35.2	V	V	S	32.4	20.7
Vacuum .....	S	V	V	V	S	S
Van, basic enclosed .....	74.3	18.6	24.5	25.2	6.1	18.8
Van, insulated nonrefrigerated .....	S	V	S	V	V	S
Van, insulated refrigerated .....	S	S	S	S	V	S
Van, open top .....	25.3	S	2.7	6.4	15.7	12.9
Van, step, walk-in, or multistop .....	93.8	40.1	39.8	S	S	22.6
Van, other .....	23.0	7.5	V	S	S	40.8
Other .....	V	V	V	V	V	N
Truck-tractors .....	1 169.2	V	V	S	1 168.2	5.6
Automobile carrier .....	S	V	V	V	S	S
Beverage .....	6.8	V	V	V	6.8	40.9
Curtainside .....	S	V	V	V	S	S
Dump .....	106.7	V	V	V	106.7	16.0
Flatbed, stake, or platform .....	139.8	V	V	S	139.5	15.5
Livestock .....	45.9	V	V	V	45.9	25.7
Low boy .....	23.2	V	V	V	23.2	23.5
Mobile home toter .....	S	V	V	V	S	S
Open top .....	113.1	V	V	V	113.1	16.0
Pole, logging, pulpwood, or pipe .....	S	V	V	V	S	S
Tank, dry bulk .....	45.7	V	V	V	45.7	29.5
Tank, liquids or gases .....	65.2	V	V	V	65.2	22.4
Van, basic enclosed .....	322.2	V	V	S	321.6	12.1
Van, drop-frame .....	S	V	V	V	S	S
Van, insulated nonrefrigerated .....	S	V	V	V	S	S
Van, insulated refrigerated .....	271.2	V	V	V	271.2	18.3
Other .....	S	V	V	V	S	S
Not applicable <sup>3</sup> .....	V	V	V	V	V	N
<b>ANNUAL MILES</b>						
Less than 5,000 .....	409.0	349.4	13.7	15.6	30.4	10.2
5,000 to 9,999 .....	1 613.4	1 526.1	S	15.3	33.9	8.4
10,000 to 19,999 .....	5 657.1	5 411.1	123.3	27.6	95.1	5.3
20,000 to 29,999 .....	2 214.3	2 043.2	88.4	23.3	59.5	13.3
30,000 to 49,999 .....	1 714.9	1 499.8	41.0	36.9	137.2	19.0
50,000 to 74,999 .....	532.3	S	S	S	152.0	39.8
75,000 or more .....	1 059.0	S	V	V	895.8	15.7
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
<b>PRIMARY RANGE OF OPERATION</b>						
Off-the-road .....	457.4	402.0	S	S	18.1	41.9
50 miles or less .....	8 273.8	7 756.0	155.9	78.0	283.8	4.5
51 to 100 miles .....	1 385.2	1 140.8	78.8	17.4	148.2	16.4
101 to 200 miles .....	702.9	498.6	S	9.7	169.1	22.6
201 to 500 miles .....	306.5	80.9	S	S	212.8	16.1
501 miles or more .....	677.5	203.3	S	V	472.0	15.2
Not reported .....	1 396.8	1 270.4	17.1	9.4	99.9	17.3
Not applicable <sup>2</sup> .....	S	S	S	S	S	S

See footnotes at end of table.

**Table 6. Truck Miles by Vehicle Size: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Vehicle size				Coefficient of variation of total (percent)	
	Total	Light	Medium	Light-heavy		Heavy-heavy
<b>PRIMARY JURISDICTION</b>						
Operated in Canada	V	V	V	V	V	N
Operated in Mexico	V	V	V	V	V	N
Operated within the home base state	11 386.6	10 302.1	270.5	108.9	705.0	3.7
Operated in states other than the home base state	728.8	S	S	S	632.0	9.8
Not reported	1 084.7	989.7	20.2	S	66.9	19.6
Not applicable <sup>2</sup>	S	S	S	S	S	S
<b>MONTHS OPERATED</b>						
12	10 504.0	9 247.3	216.8	82.9	957.0	4.0
7 to 11	1 600.9	1 200.1	50.5	25.4	324.9	14.8
2 to 6	987.6	819.3	S	8.6	110.8	21.1
1 or less	107.5	S	S	4.1	11.2	40.0
Vehicle not used	S	S	S	S	S	S
<b>AVERAGE WEIGHT (POUNDS)</b>						
Less than 6,001	8 075.4	8 075.4	N	N	N	5.2
6,001 to 8,500	2 572.0	2 572.0	N	N	N	10.7
8,501 to 10,000	740.5	740.5	N	N	N	28.3
10,001 to 14,000	250.6	N	250.6	N	N	26.0
14,001 to 16,000	34.3	N	34.3	N	N	29.2
16,001 to 19,500	38.3	N	38.3	N	N	28.8
19,501 to 26,000	121.1	N	N	121.1	N	14.7
26,001 to 33,000	66.6	N	N	N	66.6	25.2
33,001 to 40,000	45.1	N	N	N	45.1	34.0
40,001 to 50,000	99.1	N	N	N	99.1	20.5
50,001 to 60,000	164.0	N	N	N	164.0	23.0
60,001 to 80,000	867.4	N	N	N	867.4	6.1
80,001 to 100,000	157.8	N	N	N	157.8	13.9
100,001 to 130,000	S	N	N	N	S	S
130,001 or more	V	N	N	N	V	N
<b>TOTAL LENGTH (FEET)</b>						
Less than 20.0	10 094.9	9 986.6	65.9	19.6	22.7	4.1
20.0 to 27.9	942.8	686.9	103.2	62.7	90.0	17.0
28.0 to 35.9	894.4	713.3	78.1	28.4	74.5	21.6
36.0 to 40.9	134.9	S	S	S	57.4	37.5
41.0 to 44.9	37.0	V	V	S	31.5	24.3
45.0 to 49.9	33.9	V	S	S	31.2	29.9
50.0 to 54.9	68.3	V	V	S	68.2	26.7
55.0 to 59.9	119.3	V	V	S	118.0	14.5
60.0 to 64.9	249.9	V	V	S	249.5	11.5
65.0 to 69.9	383.7	V	V	V	383.7	12.6
70.0 to 74.9	219.1	V	V	V	219.1	16.4
75.0 to 79.9	54.9	V	V	V	54.9	28.3
80.0 or more	S	V	V	V	S	S
<b>MILES PER GALLON</b>						
Less than 5	294.9	S	S	9.6	272.4	9.5
5 to 6.9	947.1	S	24.4	31.5	828.9	6.8
7 to 8.9	334.1	102.4	43.6	29.4	158.6	18.7
9 to 10.9	881.3	748.5	103.0	19.1	10.7	25.1
11 to 12.9	896.7	819.8	S	9.5	S	18.6
13 to 14.9	840.1	830.8	S	S	S	19.0
15 or more	7 426.3	7 371.9	S	S	S	5.8
15 to 20.9	5 884.6	5 830.2	S	S	S	7.1
21 to 24.9	1 170.8	1 170.8	V	V	V	17.0
25 or more	370.9	370.9	V	V	V	28.4
Not reported	1 579.5	1 413.4	18.0	21.4	126.7	12.2
Not applicable <sup>2</sup>	S	S	S	S	S	S
<b>MODEL YEAR</b>						
2003	S	V	V	V	S	S
2002	1 454.3	1 327.4	S	S	82.8	18.1
2001	1 140.2	1 040.7	12.9	S	86.2	19.1
2000	1 014.0	773.8	28.5	S	194.7	15.5
1999	1 372.8	1 111.3	S	S	176.1	15.8
1998	1 077.5	925.4	S	S	118.3	17.4
1997	1 108.9	955.4	21.0	S	118.2	15.7
1996	1 138.5	994.3	S	S	121.1	17.4
1995	625.1	487.3	S	S	107.2	19.9
1994	794.7	694.2	8.9	S	78.1	24.9
1993	740.1	675.9	S	V	59.2	21.9
Pre-1993	2 770.4	2 402.2	59.9	46.2	262.2	8.6
<b>VEHICLE ACQUISITION</b>						
New	5 396.4	4 458.9	232.1	67.6	637.7	7.3
Used	7 211.5	6 418.9	86.4	51.5	654.6	5.6
Not reported	628.7	510.2	S	S	111.9	19.1
<b>LEASE CHARACTERISTICS</b>						
Leased	845.0	343.8	43.6	19.6	438.0	12.3
Lessee	704.6	262.2	43.6	14.8	384.1	13.1
Vehicle only	318.3	S	43.6	14.8	255.1	11.5
Vehicle with driver	127.3	V	V	V	127.3	17.0
Not reported	S	V	V	V	S	S
Not applicable <sup>4</sup>	257.4	257.4	V	V	V	31.9
Lessor	81.2	S	V	S	48.5	40.2
Vehicle only	48.6	S	V	S	43.4	35.6
Vehicle with driver	S	V	V	V	S	S
Not reported	V	V	V	V	V	N
Not applicable <sup>4</sup>	S	S	V	V	V	S
Not reported	S	S	V	V	S	S
Not leased	8 083.3	7 106.6	199.4	77.2	700.1	5.4
Not reported	4 308.2	3 937.5	S	24.3	266.1	7.9

See footnotes at end of table.

**Table 6. Truck Miles by Vehicle Size: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>LEASE CHARACTERISTICS—Con.</b>						
Length of leasing agreement:						
Leased	845.0	343.8	43.6	19.6	438.0	12.3
1 to 11 months	10.5	V	V	V	10.5	48.8
12 months or more	488.2	S	43.6	18.3	421.2	9.1
Not reported	S	V	V	V	S	S
Not applicable <sup>4</sup>	338.6	338.6	V	V	V	27.8
Provisions of lease <sup>5</sup> :						
Financing only	180.8	S	36.6	17.7	125.4	15.4
Full maintenance	103.7	S	S	S	94.6	19.6
Payment of taxes	201.4	S	S	S	189.5	13.8
Obtaining licenses and permits	299.7	S	S	S	290.7	11.0
Recordkeeping	183.2	S	S	S	173.9	14.9
Fuel contract	49.2	V	S	S	45.6	28.3
<b>PRIMARY OPERATOR CLASSIFICATION</b>						
Private	3 296.0	2 500.5	259.1	78.7	457.7	10.2
Motor carrier	837.6	S	37.2	41.6	656.0	12.2
Owner operator	313.8	S	S	S	265.1	14.2
Rental	137.6	S	S	V	24.9	46.4
Personal transportation	8 615.1	8 592.6	S	S	S	4.6
Not applicable <sup>2</sup>	S	S	S	S	S	S
For-hire characteristics:						
Type of carrier:						
Contract	508.1	S	S	S	470.8	8.3
Common	442.9	S	S	24.4	404.9	9.8
Not reported	66.6	S	14.8	S	45.4	20.0
Not applicable <sup>6</sup>	12 219.0	11 371.8	284.9	79.1	483.2	3.5
Type of service:						
Truckload	765.2	V	S	S	739.7	6.1
Less-than truckload	180.7	S	S	16.4	133.0	19.1
Not reported	71.6	S	S	S	48.4	20.6
Not applicable <sup>6</sup>	12 219.0	11 371.8	284.9	79.1	483.2	3.5
Source of hauls:						
Shippers or receivers	755.0	S	23.3	24.3	691.2	7.1
Brokers	57.8	V	V	V	57.8	24.3
Centralized markets or exchanges	13.5	V	S	S	9.5	40.7
Other	V	V	V	V	V	N
Not reported	191.2	S	S	S	162.6	13.2
Not applicable <sup>6</sup>	12 219.0	11 371.8	284.9	79.1	483.2	3.5
<b>HAZARDOUS MATERIALS CARRIED<sup>7</sup></b>						
Carrying hazardous materials	244.9	S	S	15.1	226.4	15.0
Not carrying hazardous materials	1 350.4	119.6	165.8	94.6	970.4	4.9
Not reported	225.5	18.9	13.7	11.0	181.9	12.6
Not applicable <sup>8</sup>	11 415.7	11 246.8	143.0	S	25.5	3.7
<b>EQUIPMENT TYPE<sup>5 9</sup></b>						
Aerial work platform/bucket	12.3	S	S	S	S	37.3
Air bag(s) (safety device only)	7 977.7	7 724.4	108.2	S	135.1	5.5
Air compressor (except air brakes)	107.6	S	S	S	89.0	16.7
Air-conditioning	11 514.0	9 998.4	254.0	64.8	1 196.8	3.7
Air springs	595.5	S	S	S	592.5	7.5
Antilock brake system	8 346.3	7 563.5	167.7	32.5	582.5	5.1
Collision warning system	S	V	V	V	S	S
Computerized drive train control unit	1 688.0	1 529.9	S	S	122.1	13.0
Crane	31.9	S	S	S	23.2	23.3
Electronic vehicle identification device	41.3	V	V	V	41.3	32.0
Engine retarder/brake	780.6	S	S	S	774.3	6.0
Front-wheel drive	5 229.4	5 209.0	S	V	V	7.9
Hoist	100.3	2.6	13.3	13.4	71.0	9.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	90.8	S	S	S	76.6	19.8
Internet access	S	V	V	V	S	S
Lift gate	50.3	8.1	20.0	S	9.7	23.3
Mounting bar for snowplow	S	S	S	S	S	S
Navigational system	S	V	V	S	S	S
Power take-off	528.8	S	33.4	42.0	450.3	7.3
Radial tires	9 201.7	7 837.6	207.2	88.9	1 068.0	4.5
Reflective material in addition to those required by law	283.9	S	19.3	16.4	241.6	12.3
Road speed governor	788.6	16.5	36.9	40.1	695.1	7.0
Toolbox	1 908.1	1 395.3	147.9	29.4	335.5	13.6
Trip recorder or on-board computer with communication capabilities	713.4	532.1	S	16.0	111.1	20.8
Trip recorder or on-board computer without communication capabilities	2 178.6	2 070.8	S	S	78.5	11.5
Vehicle control aids for handicapped drivers	S	S	V	V	V	S
Wheelchair lift	S	S	V	V	V	S
Winch	221.9	134.5	S	S	52.6	31.3
Transmission type:						
Automatic	9 933.5	9 756.8	119.3	27.4	30.0	4.5
Manual	2 970.9	1 429.8	197.4	87.2	1 256.6	7.3
Semiautomated manual	S	S	V	V	S	S
Automated manual	S	V	V	V	S	S
Not reported	312.1	201.2	S	S	97.9	23.3
Braking system:						
Hydraulic (standard)	283.7	81.9	89.3	48.3	S	15.2
Hydraulic with power assist	197.1	48.2	79.4	46.6	22.9	11.7
Air	1 303.4	S	9.7	20.0	1 273.2	4.6
Other	V	V	V	V	V	N
Not reported	67.7	S	S	S	44.0	20.3
Not applicable <sup>10</sup>	11 384.6	11 245.6	139.0	V	V	3.7

See footnotes at end of table.

**Table 6. Truck Miles by Vehicle Size: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>FUEL TYPE AND ENGINE SIZE</b>						
Fuel type:						
Gasoline .....	10 574.2	10 342.5	163.6	44.3	23.8	3.9
Diesel .....	2 270.0	667.6	152.3	70.2	1 379.9	9.1
Natural gas .....	V	V	V	V	V	N
Propane .....	S	S	S	S	S	S
Alcohol fuels .....	S	S	V	V	V	S
Electricity .....	V	V	V	V	V	N
Combination .....	322.2	320.1	S	V	V	39.5
Other .....	V	V	V	V	V	N
Not reported .....	S	V	V	V	S	S
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
Cylinders <sup>11</sup> :						
4 cylinders .....	1 098.8	1 087.7	6.6	S	S	17.3
6 cylinders .....	6 212.0	4 793.3	32.0	49.2	1 337.5	5.7
8 cylinders .....	5 645.2	5 328.8	233.1	57.8	25.5	7.2
Other .....	280.5	178.1	S	13.1	37.9	34.5
Cubic inch displacement <sup>11</sup> :						
Gasoline fuel .....	10 574.2	10 342.5	163.6	44.3	23.8	3.9
Less than 200 .....	2 077.6	2 077.6	V	V	V	12.1
200 to 299 .....	4 100.5	4 092.3	S	S	V	9.0
300 to 349 .....	2 343.9	2 325.9	S	S	S	11.5
350 to 399 .....	1 571.1	1 503.0	48.5	12.2	7.4	13.4
400 or more .....	372.9	269.2	S	S	7.9	26.7
Not available .....	108.2	S	7.4	18.0	8.4	38.0
Diesel fuel .....	2 270.0	667.6	152.3	70.2	1 379.9	9.1
Less than 400 .....	427.2	363.0	40.1	11.7	12.4	39.8
400 to 599 .....	624.0	304.4	111.3	55.6	152.6	17.5
600 to 799 .....	440.5	V	S	S	438.6	9.6
800 or more .....	574.3	V	V	S	573.7	7.3
Not available .....	204.0	S	.6	S	202.6	12.6
Other fuel .....	355.7	342.0	S	S	S	36.2
Less than 400 .....	344.4	341.1	V	S	S	37.4
400 or more .....	S	S	S	V	V	S
Not available .....	S	V	V	V	S	S
Not reported .....	S	V	V	V	S	S
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
<b>REFUELING LOCATION</b>						
Gas station .....	10 943.6	10 501.2	209.9	45.4	187.0	4.1
Truck stop .....	911.8	S	S	S	789.3	7.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.) .....	841.9	339.8	75.0	63.3	363.7	12.8
Other company's/contractor's facility not open to the public .....	S	S	S	V	25.5	S
Other .....	S	S	V	V	V	S
Not reported .....	418.5	375.9	S	1.2	38.3	22.9
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
<b>MAINTENANCE<sup>5</sup></b>						
General maintenance performed by:						
None performed .....	290.5	289.6	S	.4	.5	45.0
Company-owned maintenance facility .....	1 864.3	874.5	111.9	68.9	809.1	10.8
General repair business or private mechanic .....	5 636.9	4 916.9	156.8	29.7	533.5	6.9
Dealership service department .....	3 424.3	3 079.8	55.5	S	284.8	9.1
Leasing company .....	95.5	S	S	V	69.5	31.8
Individual not employed/paid by any maintenance type facility .....	4 671.3	4 346.8	60.2	18.5	245.8	7.7
Other .....	V	V	V	V	V	N
Not reported .....	400.0	374.5	S	1.2	23.9	23.9
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
Extensive repairs performed by:						
None performed .....	10 208.7	8 981.1	256.0	91.2	880.5	4.4
Company-owned maintenance facility .....	511.8	290.1	5.2	S	205.6	24.7
General repair business or private mechanic .....	707.0	547.4	26.4	S	125.8	18.6
Dealership service department .....	830.2	662.4	S	S	135.6	18.8
Leasing company .....	S	S	V	V	S	S
Component distributorship (engine, transmission, body, etc.) .....	107.6	S	S	S	13.3	47.8
Individual not employed/paid by any repair type facility .....	500.4	462.4	S	S	35.4	25.8
Other .....	V	V	V	V	V	N
Not reported .....	S	V	V	V	S	S
Not applicable <sup>2</sup> .....	S	S	S	S	S	S
<b>TRUCK TYPE AND AXLE ARRANGEMENT</b>						
Single-unit trucks and truck-tractors without trailer .....	11 860.5	11 359.7	200.9	111.4	188.5	3.6
2 axles .....	11 743.1	11 359.5	200.5	111.1	72.0	3.7
3 axles .....	S	S	S	S	93.0	9.2
4 axles .....	S	V	V	V	17.8	22.9
5 axles or more .....	5.6	V	V	V	5.6	42.9
Not reported .....	S	S	S	S	V	S
Combinations .....	1 376.1	S	122.4	9.7	1 215.8	6.8
Single-unit trucks with trailer .....	206.9	S	122.4	8.7	47.6	32.7
3 axles .....	S	S	S	S	S	S
4 axles .....	160.5	S	S	S	S	39.9
5 axles or more .....	20.0	V	V	S	20.0	32.0
Not reported .....	V	V	V	V	V	N
Truck-tractors with single trailer .....	1 101.5	V	V	S	1 100.5	5.5
3 axles .....	S	V	V	S	S	S
4 axles .....	S	V	V	S	S	S
5 axles or more .....	962.6	V	V	V	962.6	4.8
Not reported .....	41.7	V	V	V	41.7	25.8
Truck-tractors with double trailers .....	67.7	V	V	V	67.7	41.0
5 axles .....	S	V	V	V	S	S
6 axles .....	19.6	V	V	V	19.6	40.9
7 axles .....	S	V	V	V	S	S
8 axles or more .....	V	V	V	V	V	N
Not reported .....	V	V	V	V	V	N

See footnotes at end of table.

**Table 6. Truck Miles by Vehicle Size: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Vehicle size				Coefficient of variation of total (percent)
		Light	Medium	Light-heavy	Heavy-heavy	
<b>TRUCK TYPE AND AXLE ARRANGEMENT—Con.</b>						
Combinations—Con.						
Truck-tractors with triple trailers .....	V	V	V	V	V	N
7 axles .....	V	V	V	V	V	N
8 axles .....	V	V	V	V	V	N
9 axles .....	V	V	V	V	V	N
10 axles or more .....	V	V	V	V	V	N
Not reported .....	V	V	V	V	V	N
Driving axles:						
1 .....	6 815.1	6 161.4	278.3	114.8	260.6	5.7
2 .....	6 418.3	5 226.6	44.9	6.3	1 140.6	6.5
3 or more .....	S	V	V	V	S	S
Not reported .....	S	V	S	S	S	S
Total liftable axles and locations <sup>12</sup> :						
None .....	1 816.0	142.3	184.2	121.0	1 368.5	4.1
1 .....	29.3	S	S	S	29.2	20.3
Forward of the drive axle .....	17.2	S	S	S	17.1	25.0
Below the chassis .....	7.9	V	V	V	7.9	44.9
Beyond the chassis .....	S	V	V	V	S	S
Not reported .....	S	S	S	S	S	S
2 or more .....	5.6	V	V	V	5.6	42.9
Forward of the drive axle .....	5.6	V	V	V	5.6	42.9
Below the chassis .....	V	V	V	V	V	N
Beyond the chassis .....	S	V	V	V	S	S
Not reported .....	V	V	V	V	V	N
Not reported .....	S	V	S	S	S	S
Not applicable <sup>10</sup> .....	11 384.6	11 245.6	139.0	V	V	3.7
Total liftable axles and number of braking axles:						
None .....	1 816.0	142.3	184.2	121.0	1 368.5	4.1
1 .....	29.3	S	S	S	29.2	20.3
0 braking .....	S	S	S	S	S	S
1 braking .....	26.1	V	S	S	26.1	22.1
Not reported .....	S	V	V	V	S	S
2 or more .....	5.6	V	V	V	5.6	42.9
0 braking .....	V	V	V	V	V	N
1 braking .....	V	V	V	V	V	N
2 or more braking .....	5.6	V	V	V	5.6	42.9
Not reported .....	V	V	V	V	V	N
Not reported .....	S	V	S	S	S	S
Not applicable <sup>10</sup> .....	11 384.6	11 245.6	139.0	V	V	3.7
<b>CAB TYPE</b>						
Conventional cab .....	1 759.7	135.2	160.9	109.7	1 353.8	4.2
With sleeper .....	800.6	V	V	V	800.6	7.1
Without sleeper .....	930.9	135.2	160.9	109.7	525.1	5.8
Not reported .....	28.2	V	V	V	28.2	35.1
Cab over engine .....	90.8	5.9	23.3	11.4	50.2	17.0
With sleeper .....	30.4	V	V	V	30.4	37.1
Without sleeper .....	60.3	5.9	23.3	11.4	19.7	17.5
Not reported .....	V	V	V	V	V	N
Cab forward of engine .....	S	V	V	V	S	S
Cab beside engine .....	S	S	V	V	S	S
Not reported .....	S	V	S	S	S	S
Not applicable <sup>10</sup> .....	11 384.6	11 245.6	139.0	V	V	3.7

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>3</sup>Truck-tractors not in use.

<sup>4</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

<sup>5</sup>Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>7</sup>Distributed miles data are available in Table 8.

<sup>8</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>9</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

<sup>10</sup>Pickups, minivans, other light vans, and sport utilities.

<sup>11</sup>Data were derived from administrative records.

<sup>12</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

**Table 7. Truck Miles by Truck Type: 2002**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type						Coefficient of variation of total (percent)
		Single-unit trucks and truck-tractors without trailer	Combination				Truck-tractor with triple trailers	
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		
<b>Total</b> .....	<b>13 236.6</b>	<b>11 860.5</b>	<b>1 376.1</b>	<b>206.9</b>	<b>1 101.5</b>	<b>67.7</b>	<b>V</b>	<b>X</b>
Coefficient of variation (percent) .....	3.3	3.6	6.8	32.7	5.5	41.0	N	X
<b>BUSINESS<sup>1</sup></b>								
For-hire transportation or warehousing .....	1 005.3	252.9	752.4	S	686.6	64.4	V	10.7
Vehicle leasing or rental .....	137.6	S	23.9	V	23.9	V	V	46.4
Agriculture, forestry, fishing, or hunting .....	711.6	530.6	181.0	S	146.1	S	V	19.2
Mining .....	S	S	S	S	15.4	V	V	S
Utilities .....	97.6	S	S	S	S	V	V	42.6
Construction .....	698.7	570.7	128.1	S	59.1	V	V	19.2
Manufacturing .....	204.7	156.7	48.0	S	44.1	V	V	35.4
Wholesale trade .....	112.9	82.0	30.9	S	29.1	V	V	35.5
Retail trade .....	830.9	816.1	14.7	S	13.3	V	V	25.2
Information services .....	S	S	V	V	V	V	V	S
Waste management, landscaping, or administrative/support services .....	61.9	55.1	S	S	S	V	V	22.6
Arts, entertainment, or recreation services .....	S	S	S	V	S	V	V	S
Accommodation or food services .....	38.5	14.0	S	V	S	V	V	48.5
Other services .....	429.4	428.9	S	V	S	V	V	37.1
Personal transportation .....	8 615.1	8 592.8	S	S	S	V	V	4.6
Not reported .....	108.9	S	50.6	S	45.2	V	V	35.7
Not applicable <sup>2</sup> .....	S	S	V	V	V	V	V	S
<b>BODY TYPE</b>								
Single-unit trucks .....	12 067.3	11 860.5	206.9	206.9	N	N	N	3.5
Pickup .....	5 991.1	5 846.4	144.7	144.7	N	N	N	5.5
Minivan .....	1 322.6	1 322.6	V	V	N	N	N	14.7
Other light vans .....	947.2	947.0	S	S	N	N	N	24.3
Sport utility .....	3 123.8	3 123.8	V	V	N	N	N	8.6
Armored .....	V	V	V	V	N	N	N	N
Beverage .....	S	S	V	V	N	N	N	S
Concrete mixer .....	5.4	5.4	V	V	N	N	N	27.1
Concrete pumper .....	S	S	V	V	N	N	N	S
Crane .....	S	S	V	V	N	N	N	S
Curtainside .....	S	S	V	V	N	N	N	S
Dump .....	97.9	56.6	41.3	41.3	N	N	N	17.1
Flatbed, stake, or platform .....	115.5	106.5	9.0	9.0	N	N	N	13.0
Low boy .....	S	V	S	S	N	N	N	S
Pole, logging, pulpwood, or pipe .....	S	S	V	V	N	N	N	S
Service, utility .....	54.6	50.6	S	S	N	N	N	19.6
Service, other .....	45.3	45.3	V	V	N	N	N	24.2
Street sweeper .....	V	V	V	V	N	N	N	N
Tank, dry bulk .....	1.0	1.0	V	V	N	N	N	40.6
Tank, liquids or gases .....	43.7	39.2	S	S	N	N	N	23.1
Tow/Wrecker .....	46.0	46.0	S	S	N	N	N	39.8
Trash, garbage, or recycling .....	35.2	35.2	V	V	N	N	N	20.7
Vacuum .....	S	S	V	V	N	N	N	S
Van, basic enclosed .....	74.3	71.3	S	S	N	N	N	18.8
Van, insulated nonrefrigerated .....	S	S	V	V	N	N	N	S
Van, insulated refrigerated .....	S	S	V	V	N	N	N	S
Van, open top .....	25.3	25.3	S	S	N	N	N	12.9
Van, step, walk-in, or multistop .....	93.8	93.8	V	V	N	N	N	22.6
Van, other .....	23.0	23.0	V	V	N	N	N	40.8
Other .....	V	V	V	V	N	N	N	N
Truck-tractors .....	1 169.2	V	1 169.2	N	1 101.5	67.7	V	5.6
Automobile carrier .....	S	N	S	N	S	V	V	S
Beverage .....	6.8	N	6.8	N	6.8	V	V	40.9
Curtainside .....	S	N	S	N	S	V	V	S
Dump .....	106.7	N	106.7	N	103.4	S	V	16.0
Flatbed, stake, or platform .....	139.8	N	139.8	N	139.8	V	V	15.5
Livestock .....	45.9	N	45.9	N	45.9	V	V	25.7
Low boy .....	23.2	N	23.2	N	23.2	V	V	23.5
Mobile home toter .....	S	N	S	N	S	V	V	S
Open top .....	113.1	N	113.1	N	113.1	V	V	16.0
Pole, logging, pulpwood, or pipe .....	S	N	S	N	S	V	V	S
Tank, dry bulk .....	45.7	N	45.7	N	45.7	V	V	29.5
Tank, liquids or gases .....	65.2	N	65.2	N	65.2	V	V	22.4
Van, basic enclosed .....	322.2	N	322.2	N	257.8	64.4	V	12.1
Van, drop-frame .....	S	N	S	N	S	V	V	S
Van, insulated nonrefrigerated .....	S	N	S	N	S	V	V	S
Van, insulated refrigerated .....	271.2	N	271.2	N	271.2	V	V	18.3
Other .....	S	N	S	N	S	V	V	S
Not applicable <sup>3</sup> .....	V	V	V	N	V	V	V	N
<b>ANNUAL MILES</b>								
Less than 5,000 .....	409.0	393.9	15.1	5.1	10.0	S	V	10.2
5,000 to 9,999 .....	1 613.4	1 591.1	22.3	8.2	14.1	V	V	8.4
10,000 to 19,999 .....	5 657.1	5 514.6	142.5	113.8	28.7	V	V	5.3
20,000 to 29,999 .....	2 214.3	2 135.8	S	S	23.8	V	V	13.3
30,000 to 49,999 .....	1 714.9	1 624.8	90.1	S	87.5	S	V	19.0
50,000 to 74,999 .....	532.3	S	145.1	S	117.5	S	V	39.8
75,000 or more .....	1 059.0	S	882.4	S	820.0	S	V	15.7
Not applicable <sup>2</sup> .....	S	S	V	V	V	V	V	S

See footnotes at end of table.

**Table 7. Truck Miles by Truck Type: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Total	Truck type					Coefficient of variation of total (percent)	
		Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
<b>PRIMARY RANGE OF OPERATION</b>								
Off-the-road .....	457.4	417.7	S	S	5.3	V	V	41.9
50 miles or less .....	8 273.8	8 019.8	254.0	116.9	137.1	S	V	4.5
51 to 100 miles .....	1 385.2	1 241.7	143.5	S	105.3	S	V	16.4
101 to 200 miles .....	702.9	521.3	181.7	S	157.2	V	V	22.6
201 to 500 miles .....	306.5	97.2	209.2	V	186.3	22.9	V	16.1
501 miles or more .....	677.5	220.0	457.5	S	431.3	S	V	15.2
Not reported .....	1 396.8	1 306.4	90.4	S	79.0	S	V	17.3
Not applicable <sup>2</sup> .....	S	S	V	V	V	V	V	S
<b>PRIMARY JURISDICTION</b>								
Operated in Canada .....	V	V	V	V	V	V	V	N
Operated in Mexico .....	V	V	V	V	V	V	V	N
Operated within the home base state .....	11 386.6	10 713.3	673.2	183.0	468.9	S	V	3.7
Operated in states other than the home base state .....	728.8	87.6	641.1	S	573.9	S	V	9.8
Not reported .....	1 084.7	1 022.9	61.8	S	58.6	S	V	19.6
Not applicable <sup>2</sup> .....	S	S	V	V	V	V	V	S
<b>MONTHS OPERATED</b>								
12 .....	10 504.0	9 551.6	952.5	140.6	767.8	44.0	V	4.0
7 to 11 .....	1 600.9	1 295.9	304.9	S	249.9	S	V	14.8
2 to 6 .....	987.6	874.5	113.1	S	78.5	S	V	21.1
1 or less .....	107.5	101.9	5.6	S	5.2	S	V	40.0
Vehicle not used .....	S	S	V	V	V	V	V	S
<b>VEHICLE SIZE</b>								
Light .....	11 387.9	11 359.7	S	S	V	V	V	3.8
Medium .....	323.2	200.9	122.4	122.4	V	V	V	20.6
Light-heavy .....	121.1	111.4	9.7	8.7	S	V	V	14.7
Heavy-heavy .....	1 404.3	188.5	1 215.8	47.6	1 100.5	67.7	V	4.9
<b>AVERAGE WEIGHT (POUNDS)</b>								
Less than 6,001 .....	8 075.4	8 074.4	S	S	V	V	V	5.2
6,001 to 8,500 .....	2 572.0	2 544.8	S	S	V	V	V	10.7
8,501 to 10,000 .....	740.5	740.5	V	V	V	V	V	28.3
10,001 to 14,000 .....	250.6	129.1	121.5	121.5	V	V	V	26.0
14,001 to 16,000 .....	34.3	33.5	S	S	V	V	V	29.2
16,001 to 19,500 .....	38.3	38.3	V	V	V	V	V	28.8
19,501 to 26,000 .....	121.1	111.4	9.7	8.7	S	V	V	14.7
26,001 to 33,000 .....	66.6	52.8	13.8	9.3	S	V	V	25.2
33,001 to 40,000 .....	45.1	19.8	S	S	S	V	V	34.0
40,001 to 50,000 .....	99.1	34.0	65.1	S	64.9	V	V	20.5
50,001 to 60,000 .....	164.0	71.0	93.0	S	89.7	S	V	23.0
60,001 to 80,000 .....	867.4	10.2	857.2	4.7	789.0	63.5	V	6.1
80,001 to 100,000 .....	157.8	S	157.1	S	143.6	S	V	13.9
100,001 to 130,000 .....	S	V	S	V	S	V	V	S
130,001 or more .....	V	V	V	V	V	V	V	N
<b>TOTAL LENGTH (FEET)</b>								
Less than 20.0 .....	10 094.9	10 094.9	V	V	V	V	V	4.1
20.0 to 27.9 .....	942.8	927.2	S	S	V	V	V	17.0
28.0 to 35.9 .....	894.4	804.5	S	S	3.2	V	V	21.6
36.0 to 40.9 .....	134.9	14.2	120.7	S	45.0	V	V	37.5
41.0 to 44.9 .....	37.0	S	34.6	S	27.4	V	V	24.3
45.0 to 49.9 .....	33.9	S	30.4	S	28.3	V	V	29.9
50.0 to 54.9 .....	68.3	S	54.3	S	43.1	S	V	26.7
55.0 to 59.9 .....	119.3	V	119.3	S	117.0	V	V	14.5
60.0 to 64.9 .....	249.9	V	249.9	S	244.2	V	V	11.5
65.0 to 69.9 .....	383.7	V	383.7	S	375.2	S	V	12.6
70.0 to 74.9 .....	219.1	V	219.1	V	160.5	58.5	V	16.4
75.0 to 79.9 .....	54.9	V	54.9	S	54.0	V	V	28.3
80.0 or more .....	S	V	S	V	S	S	V	S
<b>MILES PER GALLON</b>								
Less than 5 .....	294.9	71.3	223.6	S	216.2	S	V	9.5
5 to 6.9 .....	947.1	208.1	739.0	16.1	713.5	S	V	6.8
7 to 8.9 .....	334.1	205.0	129.0	S	S	54.1	V	18.7
9 to 10.9 .....	881.3	803.6	S	S	S	V	V	25.1
11 to 12.9 .....	896.7	847.2	S	S	S	V	V	18.6
13 to 14.9 .....	840.1	837.2	S	S	S	V	V	19.0
15 or more .....	7 426.3	7 394.7	S	S	S	V	V	5.8
15 to 20.9 .....	5 884.6	5 853.1	S	S	S	V	V	7.1
21 to 24.9 .....	1 170.8	1 170.6	S	S	V	V	V	17.0
25 or more .....	370.9	370.9	V	V	V	V	V	28.4
Not reported .....	1 579.5	1 456.7	122.8	S	92.4	S	V	12.2
Not applicable <sup>2</sup> .....	S	S	V	V	V	V	V	S

See footnotes at end of table.

**Table 7. Truck Miles by Truck Type: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
<b>MODEL YEAR</b>								
2003	S	V	S	V	S	V	S	
2002	1 454.3	1 344.2	110.1	S	55.9	S	V	18.1
2001	1 140.2	1 042.0	98.2	S	68.0	V	V	19.1
2000	1 014.0	824.1	189.9	S	172.4	V	V	15.5
1999	1 372.8	1 163.5	209.3	S	151.9	S	V	15.8
1998	1 077.5	961.4	116.1	V	116.1	V	V	17.4
1997	1 108.9	997.6	111.3	S	108.4	V	V	15.7
1996	1 138.5	1 023.7	114.8	S	107.4	S	V	17.4
1995	625.1	513.3	111.8	S	74.8	S	V	19.9
1994	794.7	730.3	64.3	S	59.0	S	V	24.9
1993	740.1	688.4	51.6	S	32.8	S	V	21.9
Pre-1993	2 770.4	2 571.9	198.5	S	154.4	S	V	8.6
<b>VEHICLE ACQUISITION</b>								
New	5 396.4	4 709.5	686.8	139.3	493.4	54.1	V	7.3
Used	7 211.5	6 616.6	594.9	67.4	513.9	S	V	5.6
Not reported	628.7	534.4	94.4	S	94.1	V	V	19.1
<b>LEASE CHARACTERISTICS</b>								
Leased	845.0	432.5	412.5	S	388.8	S	V	12.3
Lessee	704.6	343.3	361.3	S	351.6	S	V	13.1
Vehicle only	318.3	85.9	232.4	S	224.3	S	V	11.5
Vehicle with driver	127.3	V	127.3	V	127.3	V	V	17.0
Not reported	S	V	S	S	V	V	V	S
Not applicable <sup>4</sup>	257.4	V	V	V	V	V	V	31.9
Lessor	81.2	S	46.3	S	32.4	V	V	40.2
Vehicle only	48.6	S	43.4	S	29.5	V	V	35.6
Vehicle with driver	S	S	S	V	S	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not applicable <sup>4</sup>	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
Not leased	8 083.3	7 411.5	671.9	103.5	505.1	63.3	V	5.4
Not reported	4 308.2	4 016.5	291.8	S	207.6	V	V	7.9
<b>Length of leasing agreement:</b>								
Leased	845.0	432.5	412.5	S	388.8	S	V	12.3
1 to 11 months	10.5	S	S	V	S	V	V	48.8
12 months or more	488.2	91.5	396.8	S	373.1	V	V	9.1
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>4</sup>	338.6	338.6	V	V	V	V	V	27.8
<b>Provisions of lease<sup>5</sup>:</b>								
Financing only	180.8	77.6	103.2	S	93.4	S	V	15.4
Full maintenance	103.7	S	93.4	V	93.4	V	V	19.6
Payment of taxes	201.4	14.0	187.3	S	183.7	V	V	13.8
Obtaining licenses and permits	299.7	10.2	289.5	V	289.5	V	V	11.0
Recordkeeping	183.2	S	173.3	V	173.3	V	V	14.9
Fuel contract	49.2	S	45.6	V	45.6	V	V	28.3
<b>PRIMARY OPERATOR CLASSIFICATION</b>								
Private	3 296.0	2 830.0	466.0	183.0	283.0	S	V	10.2
Motor carrier	837.6	228.3	609.3	S	545.4	62.4	V	12.2
Owner operator	313.8	S	254.7	S	249.2	S	V	14.2
Rental	137.6	S	23.9	V	23.9	V	V	46.4
Personal transportation	8 615.1	8 592.8	S	S	S	V	V	4.6
Not applicable <sup>2</sup>	S	S	V	V	V	V	V	S
<b>For-hire characteristics:</b>								
<b>Type of carrier:</b>								
Contract	508.1	52.2	455.9	V	448.1	S	V	8.3
Common	442.9	61.3	381.6	S	321.1	59.1	V	9.8
Not reported	66.6	40.2	26.4	S	25.3	S	V	20.0
Not applicable <sup>6</sup>	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
<b>Type of service:</b>								
Truckload	765.2	58.8	706.4	S	701.6	S	V	6.1
Less-than truckload	180.7	52.7	128.1	V	64.6	63.6	V	19.1
Not reported	71.6	42.1	29.5	S	28.4	S	V	20.6
Not applicable <sup>6</sup>	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
<b>Source of hauls:</b>								
Shippers or receivers	755.0	84.8	670.2	S	605.3	63.5	V	7.1
Brokers	57.8	S	56.0	V	56.0	V	V	24.3
Centralized markets or exchanges	13.5	S	S	V	S	V	V	40.7
Other	V	V	V	V	V	V	V	N
Not reported	191.2	61.3	129.9	S	125.5	S	V	13.2
Not applicable <sup>6</sup>	12 219.0	11 706.8	512.2	205.2	306.9	S	V	3.5
<b>HAZARDOUS MATERIALS CARRIED<sup>7</sup></b>								
Carrying hazardous materials	244.9	39.0	205.8	S	142.7	58.5	V	15.0
Not carrying hazardous materials	1 350.4	524.2	826.2	53.5	763.5	S	V	4.9
Not reported	225.5	50.6	174.9	S	171.3	V	V	12.6
Not applicable <sup>8</sup>	11 415.7	11 246.6	169.1	145.2	23.9	V	V	3.7
<b>EQUIPMENT TYPE<sup>5 9</sup></b>								
Aerial work platform/bucket	12.3	12.2	S	S	V	V	V	37.3
Air bag(s) (safety device only)	7 977.7	7 746.4	231.3	S	130.7	V	V	5.5
Air compressor (except air brakes)	107.6	28.4	79.3	S	75.6	V	V	16.7
Air-conditioning	11 514.0	10 260.3	1 253.7	187.4	999.5	66.9	V	3.7
Air springs	595.5	30.8	564.7	11.9	549.4	S	V	7.5

See footnotes at end of table.



**Table 7. Truck Miles by Truck Type: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination					
			Total	Single-unit truck with trailer	Truck-tractor with single trailer	Truck-tractor with double trailers		Truck-tractor with triple trailers
<b>EQUIPMENT TYPE<sup>5 9</sup>—Con.</b>								
Antilock brake system	8 346.3	7 696.7	649.6	S	511.9	20.6	V	5.1
Collision warning system	S	V	S	S	S	V	V	S
Computerized drive train control unit	1 688.0	1 538.6	149.4	S	117.6	V	V	13.0
Crane	31.9	26.4	S	S	S	V	V	23.3
Electronic vehicle identification device	41.3	V	41.3	V	36.9	S	V	32.0
Engine retarder/brake	780.6	41.5	739.1	11.9	722.8	S	V	6.0
Front-wheel drive	5 229.4	5 227.8	S	S	V	V	V	7.9
Hoist	100.3	79.0	21.3	21.3	V	V	V	9.6
Idle-reducing technology (portable auxiliary pack, electrification, etc.)	90.8	S	76.2	S	76.2	V	V	19.8
Internet access	S	V	S	V	S	V	V	S
Lift gate	50.3	50.3	V	V	V	V	V	23.3
Mounting bar for snowplow	S	S	V	V	V	V	V	S
Navigational system	S	S	S	V	S	V	V	S
Power take-off	528.8	220.9	307.8	35.3	272.5	V	V	7.3
Radial tires	9 201.7	8 143.7	1 057.9	161.1	854.6	42.2	V	4.5
Reflective material in addition to those required by law	283.9	81.8	202.0	8.3	189.3	S	V	12.3
Road speed governor	788.6	137.1	651.5	19.9	569.2	62.4	V	7.0
Toolbox	1 908.1	1 522.9	385.2	128.2	253.7	S	V	13.6
Trip recorder or on-board computer with communication capabilities	713.4	570.9	142.5	S	111.1	V	V	20.8
Trip recorder or on-board computer without communication capabilities	2 178.6	2 083.7	94.9	S	68.8	S	V	11.5
Vehicle control aids for handicapped drivers	S	S	V	V	V	V	V	S
Wheelchair lift	S	S	V	V	V	V	V	S
Winch	221.9	206.5	15.4	S	13.7	V	V	31.3
<b>Transmission type:</b>								
Automatic	9 933.5	9 891.9	S	S	S	V	V	4.5
Manual	2 970.9	1 747.1	1 223.9	168.0	988.1	67.7	V	7.3
Semiautomated manual	S	S	S	V	S	V	V	S
Automated manual	S	S	S	V	S	V	V	S
Not reported	312.1	219.2	92.9	S	91.8	V	V	23.3
<b>Braking system:</b>								
Hydraulic (standard)	283.7	229.6	S	13.0	S	V	V	15.2
Hydraulic with power assist	197.1	189.7	7.5	7.5	V	V	V	11.7
Air	1 303.4	172.8	1 130.6	40.4	1 022.5	67.7	V	4.6
Other	V	V	V	V	V	V	V	N
Not reported	67.7	28.6	39.1	S	38.0	V	V	20.3
Not applicable <sup>10</sup>	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
<b>FUEL TYPE AND ENGINE SIZE</b>								
<b>Fuel type:</b>								
Gasoline	10 574.2	10 467.1	S	S	S	V	V	3.9
Diesel	2 270.0	1 001.0	1 268.9	100.3	1 100.8	67.7	V	9.1
Natural gas	V	V	V	V	V	V	V	N
Propane	S	S	V	V	V	V	V	S
Alcohol fuels	S	S	V	V	V	V	V	S
Electricity	V	V	V	V	V	V	V	N
Combination	322.2	322.2	V	V	V	V	V	39.5
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>2</sup>	S	V	V	V	V	V	V	S
<b>Cylinders<sup>11</sup>:</b>								
4 cylinders	1 098.8	1 098.4	S	S	V	V	V	17.3
6 cylinders	6 212.0	5 016.8	1 195.2	40.4	1 088.0	66.9	V	5.7
8 cylinders	5 645.2	5 520.8	124.4	122.7	1.7	V	V	7.2
Other	280.5	224.5	S	S	11.8	S	V	34.5
<b>Cubic inch displacement<sup>11</sup>:</b>								
<b>Gasoline fuel</b>								
Less than 200	10 574.2	10 467.1	S	S	S	V	V	3.9
200 to 299	2 077.6	2 077.6	V	V	V	V	V	12.1
300 to 349	4 100.5	4 100.5	V	V	V	V	V	9.0
350 to 399	2 343.9	2 343.7	S	S	V	V	V	11.5
400 or more	1 571.1	1 543.3	S	S	V	V	V	13.4
Not available	372.9	297.4	S	S	V	V	V	26.7
Diesel fuel	108.2	104.6	S	S	V	V	V	38.0
<b>Diesel fuel</b>								
Less than 400	2 270.0	1 001.0	1 268.9	100.3	1 100.8	67.7	V	9.1
400 to 599	427.2	416.4	10.8	5.2	S	V	V	39.8
600 to 799	624.0	490.2	133.8	S	S	V	V	17.5
800 or more	440.5	47.7	392.8	S	346.1	S	V	9.6
Not available	574.3	23.1	551.2	10.7	527.0	S	V	7.3
Other fuel	204.0	23.6	180.4	S	165.0	S	V	12.6
Less than 400	355.7	355.7	V	V	V	V	V	36.2
400 or more	344.4	344.4	V	V	V	V	V	37.4
Not available	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable <sup>2</sup>	S	S	V	V	V	V	V	S
<b>REFUELING LOCATION</b>								
Gas station	10 943.6	10 718.8	224.8	125.5	99.2	S	V	4.1
Truck stop	911.8	147.6	764.2	S	715.1	S	V	7.4
Own facility (including home, farm, ranch, onsite by mobile supplier, etc.)	841.9	513.2	328.6	S	229.6	S	V	12.8
Other company's/contractor's facility not open to the public	S	S	22.2	V	22.2	V	V	S
Other	S	S	V	V	V	V	V	S
Not reported	418.5	382.2	36.3	S	35.5	V	V	22.9
Not applicable <sup>2</sup>	S	S	V	V	V	V	V	S

See footnotes at end of table.

**Table 7. Truck Miles by Truck Type: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck type						Coefficient of variation of total (percent)	
	Total	Single-unit trucks and truck-tractors without trailer	Combination			Truck-tractor with triple trailers		
			Total	Single-unit truck with trailer	Truck-tractor with single trailer			Truck-tractor with double trailers
<b>MAINTENANCE<sup>5</sup></b>								
General maintenance performed by:								
None performed	290.5	289.9	6	S	S	V	V	45.0
Company-owned maintenance facility	1 864.3	1 114.5	749.8	70.3	618.3	61.2	V	10.8
General repair business or private mechanic	5 636.9	5 099.1	537.7	S	431.7	31.3	V	6.9
Dealership service department	3 424.3	3 119.4	304.9	S	245.7	S	V	9.1
Leasing company	95.5	S	69.4	V	69.4	V	V	31.8
Individual not employed/paid by any maintenance type facility	4 671.3	4 433.9	237.4	S	198.3	S	V	7.7
Other	V	V	V	V	V	V	V	N
Not reported	400.0	377.2	22.8	V	22.8	V	V	23.9
Not applicable <sup>2</sup>	S	S	V	V	V	V	V	S
Extensive repairs performed by:								
None performed	10 208.7	9 295.9	912.9	156.6	701.2	55.1	V	4.4
Company-owned maintenance facility	511.8	354.3	157.6	S	140.0	V	V	24.7
General repair business or private mechanic	707.0	599.1	107.9	S	94.1	S	V	18.6
Dealership service department	830.2	703.8	126.5	S	79.6	S	V	18.8
Leasing company	S	S	S	V	S	V	V	S
Component distributorship (engine, transmission, body, etc.)	107.6	S	11.9	S	10.0	V	V	47.8
Individual not employed/paid by any repair type facility	500.4	467.6	32.8	S	31.8	V	V	25.8
Other	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>2</sup>	S	S	V	V	V	V	V	S
<b>AXLE ARRANGEMENT</b>								
Driving axles:								
1	6 815.1	6 478.2	337.0	181.2	107.6	S	V	5.7
2	6 418.3	5 381.9	1 036.4	25.7	991.1	19.6	V	6.5
3 or more	S	S	S	V	S	V	V	S
Not reported	S	S	S	V	S	V	V	S
Total liftable axles and locations <sup>12</sup> :								
None	1 816.0	593.4	1 222.6	57.4	1 097.5	67.7	V	4.1
1	29.3	21.7	7.6	S	S	V	V	20.3
Forward of the drive axle	17.2	15.2	S	S	S	V	V	25.0
Below the chassis	7.9	5.1	S	S	V	V	V	44.9
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	S	S	S	V	S	V	V	S
2 or more	5.6	5.6	V	V	V	V	V	42.9
Forward of the drive axle	5.6	5.6	V	V	V	V	V	42.9
Below the chassis	V	V	V	V	V	V	V	N
Beyond the chassis	S	S	V	V	V	V	V	S
Not reported	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>10</sup>	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
Total liftable axles and number of braking axles:								
None	1 816.0	593.4	1 222.6	57.4	1 097.5	67.7	V	4.1
1	29.3	21.7	7.6	S	S	V	V	20.3
0 braking	S	S	V	V	V	V	V	S
1 braking	26.1	18.5	7.6	S	S	V	V	22.1
Not reported	S	S	V	V	V	V	V	S
2 or more	5.6	5.6	V	V	V	V	V	42.9
0 braking	V	V	V	V	V	V	V	N
1 braking	V	V	V	V	V	V	V	N
2 or more braking	5.6	5.6	V	V	V	V	V	42.9
Not reported	V	V	V	V	V	V	V	N
Not reported	S	S	S	V	S	V	V	S
Not applicable <sup>10</sup>	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7
<b>CAB TYPE</b>								
Conventional cab	1 759.7	560.2	1 199.5	62.0	1 070.7	66.9	V	4.2
With sleeper	800.6	V	800.6	V	796.2	S	V	7.1
Without sleeper	930.9	560.2	370.7	62.0	246.3	62.4	V	5.8
Not reported	28.2	V	28.2	V	28.2	V	V	35.1
Cab over engine	90.8	59.1	31.7	S	30.8	S	V	17.0
With sleeper	30.4	V	30.4	V	29.5	S	V	37.1
Without sleeper	60.3	59.1	1.3	S	1.3	V	V	17.5
Not reported	V	V	V	V	V	V	V	N
Cab forward of engine	S	S	V	V	V	V	V	S
Cab beside engine	S	S	V	V	V	V	V	S
Not reported	S	S	V	V	V	V	V	S
Not applicable <sup>10</sup>	11 384.6	11 239.7	144.9	144.9	V	V	V	3.7

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Comparability of estimates may vary across survey years due to changes in category definitions.

<sup>2</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>3</sup>Truck-tractors not in use.

<sup>4</sup>Lessees or lessors of pickups, minivans, other light vans, and sport utilities.

<sup>5</sup>Detail lines do not add to total trucks because items were not applicable or multiple responses were possible.

<sup>6</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>7</sup>Distributed miles data are available in Table 8.

<sup>8</sup>Includes pickups, minivans, other light vans, and sport utilities; all other vehicles that are rental or used for personal transportation; and vehicles not in use.

<sup>9</sup>Pickups, minivans, other light vans, and sport utilities, in the Equipment Type section, were only required to report for aerial work platform/bucket, air bag(s), air-conditioning, antilock brake system, computerized drive train control unit, front-wheel drive, mounting bar for snowplow, radial tires, toolbox, trip recorder, vehicle control aids for handicapped drivers, wheelchair lift, and winch.

<sup>10</sup>Pickups, minivans, other light vans, and sport utilities.

<sup>11</sup>Data were derived from administrative records.

<sup>12</sup>Detail lines do not add to the subtotal line because items were not applicable or multiple responses were possible. When 2 or 3 liftable axles were indicated, respondents properly reported multiple responses, therefore detail lines will be significantly greater than the corresponding subtotal line.

Note: Use caution when assessing the true increase or decrease in any particular data line. Large changes in the "not reported" or "not applicable" estimates should be taken into account.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

**Table 8. Truck Miles Distribution by Operational Characteristics: 2002**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck miles distribution for all trucks	Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities	Coefficient of variation (percent)	
	A	B	A	B
<b>Total</b> .....	<b>13 236.6</b>	<b>1 851.9</b>	<b>3.3</b>	<b>4.0</b>
<b>TRAILER CONFIGURATION</b>				
No trailer pulled .....	11 610.8	641.9	3.6	5.8
Single trailer pulled .....	1 529.8	1 149.9	6.2	5.2
Double trailers pulled .....	58.5	58.5	40.6	40.6
Triple trailers pulled .....	S	S	S	S
Not applicable <sup>1</sup> .....	S	S	S	S
<b>RANGE OF OPERATION</b>				
Off-the-road .....	389.7	30.8	33.6	17.6
50 miles or less .....	7 384.6	536.5	4.4	5.8
51 to 100 miles .....	1 798.6	273.7	10.2	8.3
101 to 200 miles .....	957.0	218.0	14.3	8.6
201 to 500 miles .....	576.9	247.1	10.5	10.8
501 miles or more .....	696.4	410.7	11.0	10.3
Not reported .....	1 396.8	134.4	17.3	18.9
Not applicable <sup>1</sup> .....	S	S	S	S
<b>JURISDICTION</b>				
Operated in Canada .....	S	V	S	N
Operated in Mexico .....	S	V	S	N
Operated within the home base state .....	10 807.1	1 115.4	3.7	4.1
Operated in states other than the home base state .....	1 301.0	637.0	7.7	7.8
Not reported .....	1 084.7	98.9	19.6	17.2
Not applicable <sup>1</sup> .....	S	S	S	S
<b>OPERATOR CLASSIFICATION</b>				
Private .....	3 397.8	799.6	9.4	7.0
Motor carrier .....	839.1	750.9	12.1	7.1
Owner operator .....	311.8	268.0	13.8	10.8
Rental .....	137.9	28.9	46.2	30.6
Personal transportation .....	8 513.4	3.8	4.3	47.1
Not applicable <sup>1</sup> .....	S	S	S	S
For-hire characteristics:				
Type of carrier:				
Contract .....	491.4	491.4	8.2	8.2
Common .....	459.6	459.6	8.2	8.2
Not reported .....	66.6	66.6	20.0	20.0
Not applicable <sup>2 3</sup> .....	12 219.0	834.4	3.5	6.8
Type of service:				
Truckload .....	187.6	187.6	18.0	18.0
Less-than truckload .....	758.3	758.3	6.0	6.0
Not reported .....	71.6	71.6	20.6	20.6
Not applicable <sup>2 3</sup> .....	12 219.0	834.4	3.5	6.8
<b>PRODUCTS CARRIED<sup>4</sup></b>				
Animals and fish, live .....	82.6	38.7	29.1	23.6
Animal feed and products of animal origin .....	92.8	55.7	24.3	18.0
Grains, cereal .....	107.8	86.8	17.1	11.7
All other agricultural products .....	50.0	S	49.7	S
Basic chemicals .....	S	12.3	S	43.1
Fertilizers and fertilizer materials .....	S	19.6	S	26.9
Pharmaceutical products .....	1.3	1.3	49.8	49.8
All other chemical products and preparations .....	S	10.0	S	31.8
Alcoholic beverages .....	S	10.1	S	25.0
Bakery and milled grain products .....	52.6	41.3	35.0	35.3
Meat, seafood, and their preparations .....	91.5	91.3	18.5	18.5
Tobacco products .....	S	S	S	S
All other prepared foodstuffs .....	83.0	83.0	22.3	22.3
Logs and other wood in the rough .....	4.8	4.8	43.4	43.5
Paper or paperboard articles .....	29.7	28.5	23.5	24.1
Printed products .....	S	24.9	S	24.9
Pulp, newsprint, paper, and paperboard .....	S	S	S	S
Wood products .....	S	11.8	S	29.4
Articles of base metal .....	233.2	62.6	37.3	19.2
Base metal in primary or semifinished forms .....	31.7	31.0	21.2	21.6
Nonmetallic mineral products .....	54.8	41.7	22.7	19.0
Tools, nonpowered .....	761.4	149.1	18.4	12.2
Tools, powered .....	573.2	122.6	22.9	13.6
Electronic and other electrical equipment .....	S	23.1	S	30.5
Furniture, mattresses, lamps, etc. ....	30.4	27.3	32.8	34.7
Machinery .....	106.6	68.6	23.9	19.3
Miscellaneous manufactured products .....	32.0	12.3	42.0	25.3
Precision instruments and apparatus .....	S	19.2	S	32.1
Textile, leather, and related articles .....	78.5	33.7	47.7	28.9
Vehicles, including parts .....	52.1	41.1	32.9	37.6
All other transportation equipment .....	S	9.2	S	32.4
Coal .....	S	S	S	S
Crude petroleum .....	S	S	S	S
Gravel or crushed stone .....	56.5	56.5	14.8	14.8
Metallic ores and concentrates .....	V	V	N	N
Monumental or building stone .....	2.7	2.7	48.6	48.6
Natural sands .....	19.6	19.6	23.3	23.3
All other nonmetallic minerals .....	3.7	3.7	30.4	30.4
Fuel oils .....	56.0	32.7	40.0	23.4
Gasoline and aviation turbine fuel .....	16.2	15.9	31.0	31.6

See footnotes at end of table.

**Table 8. Truck Miles Distribution by Operational Characteristics: 2002—Con.**

[Millions. Estimates are based on data from the 2002 Vehicle Inventory and Use Survey. Because of rounding, estimates may not be additive]

Vehicular and operational characteristics	Truck miles distribution for all trucks	Truck miles distribution excluding pickups, minivans, other light vans, and sport utilities	Coefficient of variation (percent)	
	A	B	A	B
<b>PRODUCTS CARRIED<sup>4</sup>—Con.</b>				
Plastics and rubber .....	18.9	18.9	26.8	26.8
All other coal and refined petroleum products .....	S	16.5	S	32.4
Hazardous waste (EPA manifest) .....	S	S	S	S
All other waste and scrap (non-EPA manifest) .....	61.9	32.2	36.8	18.9
Recyclable products .....	10.5	8.3	37.2	38.7
Mail and courier parcels .....	77.1	58.8	28.7	26.8
Empty shipping containers .....	9.0	5.9	41.1	33.7
Passengers .....	S	S	S	S
Mixed freight .....	174.2	174.2	17.8	17.8
Products, equipment, or materials not elsewhere classified .....	10.7	10.7	45.4	45.4
Products not specified .....	211.3	63.2	33.5	18.0
Not applicable <sup>1</sup> .....	S	S	S	S
<b>HAZARDOUS MATERIALS CARRIED<sup>4</sup></b>				
Division 1.1, Explosives .....	V	V	N	N
Division 1.2, Explosives .....	V	V	N	N
Division 1.3, Explosives .....	S	S	S	S
Division 1.4, Explosives .....	S	S	S	S
Division 1.5, Explosives .....	S	S	S	S
Division 1.6, Explosives .....	V	V	N	N
Division 2.1, Flammable gas .....	12.0	12.0	38.9	38.9
Division 2.2, Nonflammable gas .....	6.1	6.1	46.6	46.6
Division 2.3, Poison gas .....	S	S	S	S
Class 3, Flammable .....	37.5	37.5	23.2	23.2
Combustible liquid .....	2.2	2.2	38.9	38.9
Oxygen 2, Oxygen .....	S	S	S	S
Division 4.1, Flammable solid .....	S	S	S	S
Division 4.2, Spontaneously combustible .....	S	S	S	S
Division 4.3, Dangerous when wet .....	S	S	S	S
Division 5.1, Oxidizer .....	S	S	S	S
Division 5.2, Organic peroxide .....	S	S	S	S
Division 6.1, Poison inhalation hazard .....	S	S	S	S
Division 6.1, Poison .....	S	S	S	S
Class 7, Radioactive .....	V	V	N	N
Class 8, Corrosive .....	12.8	12.8	30.8	30.8
Class 9 .....	S	S	S	S
Hazardous materials not specified .....	S	S	S	S
Not applicable <sup>1</sup> .....	S	S	S	S

N Not available. S Estimate does not meet publication standards because of high sampling variability or poor response quality. V Represents an estimate of less than 50 vehicles, 50,000 miles, or 0.05 percent.

<sup>1</sup>Vehicles not in use. When the respondent had partial-year ownership of the vehicle, annual miles were adjusted to reflect miles traveled when not owned by the respondent.

<sup>2</sup>Column A includes: pickups, minivans, other light vans, and sport utilities; all other vehicles that are private, rental, or used for personal transportation; and vehicles not in use.

<sup>3</sup>Column B includes: all other vehicles that are private, rental, used for personal transportation, or not in use.

<sup>4</sup>Detail lines may not add to total because multiple products/hazardous materials may be carried at the same time.

Note: The Appendix provides instructions for approximating unpublished coefficients of variation (CVs). CVs estimated from sample data are available on request. The Introduction gives information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions. Links to this information on the Internet may be found at [www.census.gov/svsd/www/02vehinv.html](http://www.census.gov/svsd/www/02vehinv.html).

# Appendix.

## Approximating Unpublished Coefficients of Variation

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Estimated coefficients of variation (CVs) are presented for only the row and column totals for Tables 4 through 7.

The coefficient of variation for an individual cell in a particular table can be approximated by using the procedure below. CVs for each cell, estimated from the sample data, are available on request.

### Tables 4 and 5

The CV (expressed as a percentage) for a cell in a particular table can be calculated as follows:

$$CV(C) = CV(S) * \sqrt{\frac{S (STATE - C)}{C (STATE - S)}}$$

where:

S = the smaller number between the row and column truck totals for the row and column containing the cell

C = the number of trucks in the cell

STATE = the number of trucks in the state

CV(S) = the coefficient of variation corresponding to S

### Tables 6 and 7

For Tables 6 and 7, follow the above procedure but replace “trucks” with “truck miles.”

### Example

Suppose, in Table 4, there are an estimated 40.0 thousand trucks in the cell for retail light-sized trucks, for which an approximation of the CV is needed. The following information must be extracted from the table: (1) 2222.2 thousand trucks in the state, (2) 46.0 thousand trucks and an estimated CV of 27.6 percent for the “Retail Trade” row, and (3) 2034.0 thousand trucks and an estimated CV of 1.1 percent for the “Light-sized trucks” column. Since the row total of 46.0 thousand is less than the column total of 2034.0 thousand, use the row figure to approximate the CV:

CV (retail light-sized trucks)=

$$\begin{aligned} &= 27.6 * \sqrt{\frac{46.0 * (2222.2 - 40.0)}{40.0 * (2222.2 - 46.0)}} \\ &= 29.6\% \end{aligned}$$

Some exceptions from this procedure will yield better approximations of the coefficients of variation in particular cells. Certain rows and columns in the tables are composed predominantly of “large trucks” (trucks excluding pickups, minivans, other light vans, and sport utilities). Because of the sample design, one obtains a better approximation of the coefficient of variation for a cell when the value of S is equal to the truck total associated with the “large trucks” even though this truck (row or column) total may not be the smaller of the two truck totals. For example, if the column containing the cell is composed of “large trucks,” then S is equal to the column total. When both totals consist of “large trucks,” use the smaller of the row and column totals.

Columns of predominately “large trucks:”

Tables 4 and 6—Light-heavy and Heavy-heavy

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Tables 5 and 7—Single-unit truck with trailer and all Truck-tractor trailer columns

Rows of predominately “large-trucks:”

Body Type—All except pickup, minivan, other light vans, and sport utility

Annual Miles—75,000 miles or more

Vehicle Size—Light-heavy and Heavy-heavy

Average Weight—19,501 pounds or more

Total Length—50.0 or more

Miles per Gallon—Less than 5 and 5 to 6.9

Primary Operator Classification— Motor carrier, Owner operator

Primary Operator Classification, For-hire characteristics—Type of carrier, Type of service

Hazardous Materials Carried—Carrying hazardous materials

Equipment Type—Electronic vehicle identification device, Engine retarder/brake, Navigational system, and Reflective material in addition to those required by law

Equipment Type, Braking system—All rows except Not applicable

Fuel Type and Engine Size, Cubic inch displacement, Diesel fuel—600 or more and Not available

Truck Type and Axle Arrangement, Single-unit trucks and truck-tractors without trailer—3 axles or more

Truck Type and Axle Arrangement, Combinations—All Truck-tractor rows

Cab Type—All rows except Not applicable

