

17 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Materials Consumed - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work -

a. MATERIALS OWNED BY THIS ESTABLISHMENT AND PROCESSED ON A CONTRACT BASIS BY ANOTHER ESTABLISHMENT - If you own oils which were processed for you on a contract basis at other locations, do not include any data for such processing in this report (specifically **15**, **16**, and **2**).

b. MATERIALS RECEIVED FROM OTHERS FOR PROCESSING ON A CONTACT BASIS - If you received oils from others for processing on a contract basis, report the nearest approximation to their commercial cost value in **15**, line A5 and **16**. Report the estimated value of these products, f.o.b. plant, in **2**.

Resales - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **2** under Census product code 999890 0000, "Resales."

Special Instructions -

Include on lines through 12 only those quantities of materials which you purchased or received from sources other than petroleum refineries or lube manufacturers.

Quantities and cost of materials received from petroleum refineries or lube manufacturers should be included on line 17.

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Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
1	Crude petroleum		↑ 1000 bbl ↓					
	Domestic, including lease condensate	211111 02						
2	Foreign	009998 30						
3	Foreign unfinished oils (received from foreign countries for further processing)	009998 27						
4	Coal used in the production of coke	212110 01	short tons					

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

17 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
5	Natural gas liquids		1000 bbl					
	Butane, at least 80 percent purity (C ₄)	211112 03						
6	Natural gasoline, and isopentane	211110 02						
7	Other natural gas liquids, including plant condensate (Specify kind) ↴	211112 04						
8	Toluene and xylene (100 percent basis)	320000 14						
9	Additives, excluding animal and vegetable oils	325998 18						
10	Fats and oils, all types, purchased	311000 12	1000 lb					
11	Sodium hydroxide (caustic soda) (100 percent NaOH)	325181 07	short tons					
12	Sulfuric acid, excluding spent acid (100 percent H ₂ SO ₄)	325188 05						
13	Chemical catalytic preparations	325188 25						
	Containers							
14	Plastics	326199 29						
15	Metal	332400 00						
16	Paper and paperboard containers	322200 05						
17	Cost of materials received from petroleum refineries and lube manufacturers	324100 07	1000 bbl					
18	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99						
19	TOTAL (Should equal total reported in 16 , line A1)	771000 00						

18 Not Applicable.

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19 TYPE OF OPERATION
(Mark "X" ALL that apply.)

Method of operation of this establishment during 2007

- 0620 476 Petroleum refining
- 478 Producing petrochemicals from feedstocks purchased or transferred from other establishments. (Petrochemical products are shown in 2, lines 16-21.)
- 480 Blending and compounding lubricants, other than in refineries
- 482 Re-refining or reclaiming used oils by a distillation process
- 484 Operating natural gasoline, cycle condensate, or natural gas liquids fractioning plant
- 486 Other types of operation (such as producing packaged fuel, fuel briquettes, etc.) (Specify kind.) 7

0621

20 and 21 Not Applicable.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of 2. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Include in this section any material received, processed, or shipped from this establishment for the account of other establishments. Include also as shipments oils produced at this establishment and transferred to other establishments. However, do not include as shipments the oils produced for this establishment at another establishment.

See "Supplemental Instructions" for products to be included on specific product lines.

Valuation of Products - Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

Contract Work -

MATERIALS OWNED BY THIS ESTABLISHMENT AND PROCESSED ON A CONTRACT BASIS BY ANOTHER ESTABLISHMENT - If you own oils which were processed for you on a contract basis at other locations, do not include any data for such processing in this report (specifically 15, 16, 22).

MATERIALS RECEIVED FROM OTHERS FOR PROCESSING ON A CONTRACT BASIS - If you received oils from others for processing on a contract basis, report the nearest approximation to their commercial cost value in 15 and 16. Report the estimated value of these products, f.o.b. plant, in 2.

Resales - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 999890 0000, "Resales."

Detailed Data Reported Elsewhere - Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.

Manufacturing Activities to be Included - Separate reports should be prepared for each petroleum refinery, including associated lube, wax, asphalt, etc., departments, and each plant primarily engaged in blending or compounding lubricants or in re-refining or reclaiming used oils. Include activities of topping plants. Do not include nonmanufacturing activities, such as oil- and gas-well operations, activities of natural-gasoline, cycle-condensate, or natural-gas liquids fractionating plants, transportation by pipelines or other methods, bulk stations, distributing terminals, filling stations, etc.

Special Reporting Instructions and Definitions -

For items which there may be some doubt, the following statements may be helpful in indicating the lines on which they should be reported -

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Lines 1 through 4 - Include all finished gasolines, finished base stocks, and blending agents, such as: alkylate, polymers (dimer, codimer, etc.), hydropolymers (hydrodimer, hydrocodimer, etc.), cumene, isopentane, isohexane, neohexane, isoheptane, iso-octane, motor benzol (Benzene), and other blending agents derived from petroleum (exclude natural gasoline).

Line 6 - Include range oil, signal oil, mineral seal oil, mineral colza oil, long-time burning oil, 300-degree oil, and insecticide base.

Lines 12 and 14 - Include greases for aviation, automotive, industrial, and railroad uses; launching grease; and cutting, drawing, and grinding compounds and paste. Also include paste rust-preventive compounds and thread compounds.

Line 15 - Include such products as cracking stock, naphtha stocks, slops, wax distillate, and other unfinished petroleum oils. Also, include light, medium neutral, heavy neutral, and residual stocks.

Line 16 - Include flux for paving, roofing, waterproofing, mastic, and other purposes; cutback asphalt; emulsified asphalt and fluxes; and other liquid asphaltic products except road oil and fuel oil used for heating purposes.

Lines 17 through 20 - Include ethane, propane, butane, butene, propane-butane mixtures, propadiene, pentane, butadiene, and other liquefied hydrocarbon gases.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
1	Gasoline, including finished stocks and blending agents		1000 bbl					
	Aviation gasoline, excluding jet fuel	324110 1111						
2	Motor gasoline							
	Regular grade	324110 1122						
3	Mid-premium grade	324110 1123						
4	Premium grade	324110 1124						
5	Jet fuel, all types	324110 4100						
6	Kerosene, excluding jet fuel	324110 7100						
	Light fuel oils							
7	Distillate fuel oil, including grades No. 1, 2, light diesel type, light gas-enrichment oils, etc.	324110 A111						
8	No. 4 type fuel oil	324110 A121						
	Heavy fuel oils							
9	Grades No. 5, 6, heavy diesel-type, heavy gas-enrichment oils, etc.	324110 D105						
10	Bio-diesel fuels made by refining petroleum and blending with vegetable-based bio-diesel	324110 D106						
	Lubricating oils and greases							
	Made in a refinery							
11	Lubricating and similar oils, including hydraulic fluids, quenching and cutting oils, transformer oils, and liquid rust preventives	324110 G111						
12	Lubricating greases	324110 G121						

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
13	Lubricating oils and greases - Continued Not made in a refinery Lubricating and similar oils, including hydraulic fluids, quenching and cutting oils, transformer oils, and liquid rust preventives .	324191 0111	1000 bbl					
14	Lubricating greases	324191 0121						
15	Unfinished oils and lubricating oil base stock, including naphtha and other unfinished oils for use as petrochemical feedstocks, carbon black feedstock, naphthenic, paraffnic, and lubricating oil petroleum-base bright stock, neutral stock, and red and pale oils.	324110 J100	1000 bbl ↑ ↓					
16	Asphalt, paving and roofing grade	324110 M100						
17	Liquefied refinery gases, including other aliphatics (feed stock and other uses) Made in a refinery Chemical raw material, including synthetic rubber components	324110 P111						
	Other uses (Specify use) ↘ [Redacted]							
18		324110 P121						
19	Made from purchased refinery products Chemical raw material, including synthetic rubber components	325110 4111						
	Other uses (Specify use) ↘ [Redacted]							
20		325110 4121						
21	Aromatics made from purchased refinery products Chemical raw material	325110 1111						
	Other uses (Specify use) ↘ [Redacted]							
22		325110 1121						
23	Other finished petroleum products, including waxes Petrolatum	324110 T111						
24	Petrolatum coke	324110 T121						
25	Calcined petroleum coke, made in a refinery . .	324110 T131						
26	Road oil	324110 T141						
27	Still gas	324110 T151						
28	Special naphthas	324110 T161						

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
29	Other finished petroleum products, including waxes - Continued Aromatics, made in a refinery (benzene, toluene, xylenes, etc.) Chemical raw materials	324110 T171						
30	Other uses (Specify use) ↴ [Redacted]	324110 T181						
31	Wax, made in a refinery (For waxes not made in a refinery see lines 40 and 41.) Microcrystalline	324110 T191	1000 bbl					
32	Crystalline Fully refined	324110 T1A1						
33	Other (Specify kind) ↴ [Redacted]	324110 T1B1						
34	Other finished petroleum products made in a refinery (Specify kind) ↴ [Redacted]	324110 T1C1						
35	Coke oven products, not made in steel mills Coke, excluding screenings and breeze	324199 1111						
36	Screenings and breeze	324199 1121						
37	Crude tar	324199 1131						
38	Crude light oil	324199 1141						
39	Other coke oven products, including tar derivatives, ammonia, light oil derivations, and coke oven gas (Specify kind) ↴ [Redacted]	324199 1151						
40	Products of petroleum and coal Wax, not made in a refinery Crystalline	324199 2221						
41	Microcrystalline	324199 2211						
42	Calcined petroleum coke, but not made in a refinery	324199 2131						

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts			
				Quantity	Value, f.o.b. plant		
					\$ Bil.	Mil.	Thou.
0734		0730	0736	0732	0731		
43	Products of petroleum and coal - Continued Bio-diesel fuels made from blending purchased petroleum with vegetable-based bio-diesel	324199 2231	1000 bbl				
44	Other petroleum and coal products, including packaged fuel and fuel briquettes, and petroleum pitches (<i>Specify kind</i>)	324199 2251					
45	Cyclic (coal tar) intermediates	325192 1100					
46	Other synthetic organic chemicals (<i>Specify kind</i>) ↘ 	325199 R100					
47	Miscellaneous end-use chemicals and chemical products, excluding urea	325199 T100					
48	Bulk surface active agents, excluding surface active agents produced or purchased and sold as active ingredients in formulated products	325613 0241					
49	Sulfuric acid (<i>Corresponds to value of shipments on CIR MQ325B, Fertilizers and Related Chemicals, 2007</i>)*	325188 1100					
50	Other inorganic aluminum compounds (<i>Corresponds to value of shipments on CIR MQ325A, Inorganic Chemicals, 2007</i>)* (<i>Specify kind</i>) ↘ 	325188 7100					
51	Chemical catalytic preparations, excluding silica gel catalyst	325188 D100					
52	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>	18					
53		26					
54		34					
55		42					
56		59					
57		67					
58	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work</i>) ↘ 	930000 0000					

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
59	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (<i>The cost of such items should be reported in 16, line A2.</i>)	999890 0000						
60	Miscellaneous receipts, including receipts for repair work, sales of scrap and refuse, etc.	999800 0000						
61	TOTAL (<i>Should equal total reported in 5</i>)	770000 0000						

23-25 Not Applicable.

26 SPECIAL INQUIRIES

OTHER ESTABLISHMENT ACTIVITIES

1. Did this establishment design, engineer, or formulate the manufactured products that it sold, produced, or shipped?

0318 Yes

0319 No

2. Which of the following best describes this establishment's primary activity? (*Mark "X" only ONE box.*)

0362 Providing contract manufacturing services for others

0363 Transforming raw materials or components into new products that this establishment owns or controls

0364 Reselling goods manufactured by others (with or without minor final assembly)

0365 Other - *Specify* ↴

0366

3. Did this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls?

0496 Yes, primarily with establishments WITHIN the 50 States and the District of Columbia

0497 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia

0498 No

27-29 Not Applicable.

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REMARKS (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

Yes No - Enter time period covered →

FROM	Month	Year	TO	Month	Year

Name of person to contact regarding this report	Title

Telephone	Area code	Number		Extension	Fax	Area code	Number	
			-					-

Internet e-mail address	Date completed	Month	Day	Year

Thank you for completing your 2007 ECONOMIC CENSUS form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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