

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. 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 which are not listed, describe and report them in the "Cost of all other materials . . ." line 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 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

2. 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.

3. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

4. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

5. 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 item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

Line No.	Materials, parts, and supplies (A)	Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) (E)		
			574 Millions	Thou- sands	Dollars
1	Diesel and semidiesel engines	351920 4	\$		
2	Steam engines and turbines	351121 9			
3	Integral horsepower electric motors and generators (1 horsepower or more)	362120 8			
4	Engine electrical equipment (including spark plugs, magnetos, generators, starters, etc.)	369401 5			
5	Speed changers, gears, and industrial high-speed drives	356601 5			
6	Industrial controls	362511 8			
7	FLUID POWER PRODUCTS (Hydraulic and pneumatic)	Hydraulic and pneumatic fluid power pumps, motors, and hydrostatic transmissions	359412 4		
8		Valves	349271 7		
9		Cylinders and rotary actuators	359301 9		
10		Hose or tube fittings and assemblies	349261 8		
11		Filters	356921 7		
12		Other fluid power products; except pumps, compressors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, and filters	190089 3		
13	FABRICATED METAL PRODUCTS, (Except forgings)	Fabricated structural metal for ships and barges	344131 8		
14		Boilers, condensers, and parts thereof	344331 4		
15		Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2		
16		Other fabricated metal products, except fluid power products	340074 4		

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued								
Line No.	Materials, parts, and supplies (A)			Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company			
					Cost, including delivery cost (freight-in) (E)			
				571	574	Millions	Thousands	Dollars
17	Forgings			346000 3	\$			
18	Castings (rough and semifinished)			330091 0				
19	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5				
20			Sheet and strip	331022 4				
21			Structural shapes and sheet piling	331023 2				
22			All other steel shapes and forms	331091 9				
23		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8				
24			Other	335013 9				
25			Other nonferrous shapes and forms	335091 5				
26	Construction machinery and parts thereof; including shipwinches, cranes, derricks, and capstans			353101 9				
27	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products			285101 2				
28	Dressed lumber			242103 0				
29	Cost of all other materials and components, parts, containers, and supplies consumed. <i>Describe the principal materials, etc., included in this value.</i>			970099 8				
30	TOTAL Sum of lines 1–29 should equal item 10, line a				\$			

Item 18A – Not applicable to this report

CONTINUE WITH ITEM 18B ON PAGE 7

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. 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 item 18B. 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.

2. 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.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. 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 product code 99989 00 6, "Resales."

Line No.	Products and services (A)		Census product code (B)	Products shipped and other receipts				
				Value, f.o.b. plant (E)				
			581	584	Thou-	Dollars		
				Millions	sands			
1	Nonpropelled Ships, Barges, Etc. (New construction) (37311)	MILITARY AND NONMILITARY Barges, all types	37311 11 5	\$				
2		Drilling/production platforms	37311 07 3					
3		Other, including dredges and floating docks	37311 19 8					
4	Self-Propelled Ships (New construction) (Report only value of work done during 1997 in column E)	Military (including combat ships, troop transport vessels, fleet auxiliaries, service craft, etc.) (including Hovercraft and military boats)	37312 00 6					
5		NONMILITARY	Yachts 65 feet or more in length (requires a professional crew as specified by coast guard)	37313 15 2				
6			Support vessels for offshore drilling and mining	37313 33 5				
7			Self-propelled mobile drilling/production platforms	37313 35 0				
8			Commercial fishing vessels	Trawlers	37313 43 4			
9				Other, including seiners	37313 48 3			
10			Tugboats and towboats, including integrated tug/barge combinations	37313 57 4				
11			Fire, patrol, and pilot vessels	37313 32 7				
12			Ferryboats	37313 21 0				
13			Other ships, including container and trailer ships; dry bulk carriers; and tankers	37313 61 6				
14	INBOARD-OUTDRIVE BOATS	Houseboats	37324 01 9					
15		Runabouts	37324 03 5					
16		Cabin cruisers	37324 05 0					
17		Fish boats	37324 06 8					
18		Other, including center consoles	37324 08 4					
19	REPAIR OF MILITARY SHIPS (Report only value of work done during 1997 in column E) (37314)	Conversions and reconversions	37314 41 6					
20		All other repairs	37314 49 9					

CONTINUE WITH 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued						
Line No.	Products and services (A)		Census product code (B)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584 Millions	584 Thou- sands	Dollars
21	REPAIR OF NONMILITARY SHIPS AND COMMERCIAL BOATS	Conversions and reconversions	37316 01 5	\$		
22	(Report only value of work done during 1997 in column E) (37316)	All other repairs	37316 02 3			
23	Boat repair		37328 00 2			
24	Fabricated structural iron and steel for ships, boats, and barges		34413 16 1			
25	Other fabricated structural iron and steel (for sale to other companies) (excluding pressure vessels and storage tanks; fabricated reinforcing bars; bar joists; fabricated metal buildings; steel flooring and roof decks; or iron and steel for transmission towers, substations, radio antenna towers, and supporting structures)		34413 00 5			
26	Machine shop job work receipts		35995 00 0			
27	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18			
28			26			
29			34			
30			42			
31			59			
32			67			
33			75			
34			83			
35			91			
36	CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8			
37	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8			
38		Other miscellaneous receipts (including receipts for repair work, etc.)	99980 98 9			
39	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
40	TOTAL value of shipments and other receipts Sum of lines 1–39, column (E)		77000 00 8	\$		

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Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

- 1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- 2. Purchases or receipts of the items specified below should be reported only in item 17.
- 3. Materials used to produce the items specified below should be reported in item 17.
- 4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- 5. Report quantities in the unit of measure specified in column (D).

Line No.	Item (A)	Census code (B)	Was this operation performed at this establishment during 1997? (C)		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment (E)
			592			
			Yes	No		
1	Ferrous foundries	1001 7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons	
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds
3		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
4		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
5		Other	1005 8	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
6	Nonferrous die-casting foundries	1006 6	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007 4	1 <input type="checkbox"/>	2 <input type="checkbox"/>		

Items 20 and 21 – Not applicable to this report

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

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (<i>Print or type</i>)		Telephone	Area code	Number	Extension	
667	1		2			
Name of company			Address (<i>Number and street, city, State, ZIP Code</i>)			
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
	666	1		2		
Signature of authorized person			Title		Date	