

Mineral Industry Surveys

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COBALT IN AUGUST 2018

The amount of cobalt contained in U.S. imports of cobalt metals and chemicals in January through August 2018 was 7% more than that imported during the same period in 2017 (table 2). The amount of cobalt contained in U.S. exports of unwrought cobalt and chemicals in January through August 2018 was 65% more than that exported during the same period in 2017 (table 4).

Prices

In August, the monthly average U.S. spot cobalt price decreased by 3% from that in July 2018 and was 9% higher than that in August 2017. The monthly average LME cash mean price decreased by 11% from that in July 2018 and was 9% higher than that in August 2017. The following listed prices are for cobalt metal in August, in dollars per pound.

Туре	Price range	Average price
U.S. $spot^1$	32.00-36.00	33.20
LME cash mean ²	24.83-30.39	28.65

¹Source: Platts Metals Week, minimum 99.8% cobalt cathode. ²London Metal Exchange, mean of the cash buyer and cash seller price, minimum 99.3% cobalt briquettes, cathode, ingot, or rounds (converted from dollars per metric ton and rounded to the nearest cent).

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TABLE 1 REPORTED CONSUMPTION AND STOCKS OF COBALT MATERIALS¹

		Stocks, end of period						
		LME ^{3, 5}						
	Consumption,	U.S.	U.S.	U.S.	Non-U.S.			
Period	U.S. industry ^{p, 2}	industry ^{p, 2}	Government ^{3, 4}	warehouse	warehouse	Total		
2017:								
August	732	966	302	191	553	744		
September	731	978	302	183	622	805		
October	724	985	302	167	583	750		
November	701	977	302	163	562	725		
December	705	996	302	160	420	580		
January-August	5,850	966	302	191	553	744		
January–December ⁶	8,710	996	302	160	420	580		
2018:								
January	717	1,000	302	159	385	544		
February	697	1,010	302	159	360	519		
March	746	962	302	141	397	538		
April	742	934	302	141	446	587		
May	NA	NA	302	139	471	610		
June	NA	NA	302	135	501	636		
July	NA	NA	302	131	520	651		
August	NA	NA	302	131	559	690		
January-August	NA	NA	302	131	559	690		

(Metric tons, contained cobalt)

^pPreliminary. NA Not available.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Data for cobalt metal, metal powder, oxide and other chemical compounds, and scrap reported by U.S. cobalt processors and consumers. Includes estimates.

³Cobalt metal.

⁴Data from Defense Logistics Agency Strategic Materials.

⁵London Metal Exchange.

⁶U.S. industry data based on monthly reports.

TABLE 2 U.S. IMPORTS FOR CONSUMPTION OF COBALT, BY COUNTRY OR LOCALITY $^{\rm 1}$

		Metals ² Oxides and hydr		1		. 3	T (1) 1 1	Cobalt
			-	nydroxides	Salts and c	ompounds	Total cobalt	content,
	Gross	4	Gross	4	Gross	4	content for	year to
Period and country or	weight	Value ⁴	weight	Value ⁴	weight	Value ⁴	the period ⁵	date ^{5, 6}
locality of origin	(metric tons)	(thousands)	(metric tons)	(thousands)	(metric tons)	(thousands)	(metric tons)	(metric tons)
2017:								
August	569	\$31,300	202	\$8,180	297	\$3,660	800	7,880
September	788	45,300	139	5,970	234	2,500	963	8,840
October	875	51,900	104	4,670	187	2,730	1,000	9,850
November	1,090	63,800	250	10,900	187	3,450	1,340	11,200
December	507	28,300	201	9,330	218	3,430	723	11,900
January–August	6,270 ^r	276,000	1,420	45,700	1,870	22,100	7,880 ^r	XX
January-December	9,530	465,000	2,120	76,600	2,690	34,200	11,900	XX
2018:								
January	1,150	70,900	135	6,220	345	4,790	1,350	1,350
February	902	62,500	176	9,700	271	2,970	1,110	2,470
March	782	47,500	304	17,000	933	6,980	1,280	3,750
April	922	71,600	149	8,700	454	4,900	1,180	4,930
May	731	51,300	172	9,950	225	3,070	933	5,860
June	767	54,700	122	7,620	832	5,400	1,100	6,960
July	577	43,000	133	7,820	204	1,170	731	7,690
August:								
Australia								506
Belgium	3	358	21	1,100			18	329
Brazil			9	376	(7)	8	7	150
Canada	90	6,980	(7)	10			90	1,120
China	173	13,500	3	130	14	277	179	1,100
Finland	58	4,830	23	1,230	(7)	5	75	1,190
France	4	314					4	13
Germany	7	354	(7)	5			7	33
Hong Kong								46
Italy								10
Japan	116	8,460					116	1,330
Madagascar	105	9,150					105	462
Morocco	20	1,550					20	160
Netherlands								4
Norway	64	2,670					64	1,190
Russia		2,070						1,190
South Africa	32	239					32	225
Taiwan								225
United Kingdom	(7)		(7)		21	191	7	329
Other	(7)	13	(7)	21	(7)	191	1	529
Total	674	48,400	56	21	35	484	724	8,410
								8,410 XX
January–August	6,500	450,000	1,250	69,900	3,300	29,800	8,410	

^rRevised. XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Unwrought cobalt, excluding alloys; includes cobalt cathode and cobalt metal powder; may include intermediate products of cobalt metallurgy.

³Includes cobalt acetates, cobalt carbonates, cobalt chlorides, and cobalt sulfates.

⁴Customs value.

⁵Estimated from gross weights.

⁶May include revisions to previously published data.

⁷Less than ¹/₂ unit.

TABLE 3

U.S. IMPORTS FOR CONSUMPTION OF ADDITIONAL COBALT MATERIALS, BY COUNTRY OR LOCALITY $^{\rm 1}$

					Wrought cobalt and		
	Unwrought c	cobalt alloys	Cobalt waste and scrap		cobalt articles		
	Gross		Gross		Gross		
Period and country or	weight	Value ²	weight	Value ²	weight	Value ²	
locality of origin	(metric tons)	(thousands)	(metric tons)	(thousands)	(metric tons)	(thousands)	
2017:							
August	12	\$484	102	\$1,580	24	\$2,510	
September	24	1,140	119	1,750	20	2,680	
October	45	2,110	181	2,790	13	2,780	
November	27	1,260	103	1,100	20	3,040	
December	50	2,270	124	2,060	15	2,750	
January-August	271	11,700	1,020	15,500	140 ^r	19,200	
January-December	418	18,400	1,550	23,300	208	30,500	
2018:							
January	42	2,040	198	3,090	19	3,330	
February	63	3,230	161	2,780	22	2,870	
March	38	2,070	258	3,650	41	4,760	
April	45	2,550	164	3,760	21	2,600	
May	85	4,150	207	3,190	51	4,850	
June	38	2,480	212	3,860	24	3,350	
July	26	1,770	226	4,080	24	4,050	
August:							
Belgium	6	441			(3)	4	
Canada	(3)	63	2	6	3	988	
France	1	86	8	192	5	572	
India					6	218	
Ireland			50	454	(3)	88	
Japan			9	343	(3)	13	
Korea, Republic of			2	60			
Mexico			6	94	(3)	35	
Netherlands			13	147			
Singapore			18	364			
Taiwan			3	116	(3)	5	
Tunisia			11	103	(3)	4	
United Arab Emirates			10	209			
United Kingdom	17	1,090	44	737	7	583	
Other	(3)	39	2	58	1	326	
Total	25	1,720	179	2,880	23	2,830	
January–August	362	20,000	1,600	27,300	226	28,600	

^rRevised. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Customs value.

³Less than ¹/₂ unit.

 TABLE 4

 U.S. EXPORTS OF COBALT MATERIALS¹

	Unwrought co	balt, powders,						Cobalt
	matte, waste and scrap ²		Oxides and hydroxides		Salts and compounds ³		Total cobalt	content,
	Gross		Gross		Gross		content for	year to
	weight	Value ⁴	weight	Value ⁴	weight	Value ⁴	the period ⁵	date ^{5, 6}
Period	(metric tons)	(thousands)	(metric tons)	(thousands)	(metric tons)	(thousands)	(metric tons)	(metric tons)
2017:								
August	347	\$8,490	4	\$138	19	\$277	354	3,480
September	368	10,100	13	576	19	20	382	3,870
October	485	13,600	7	235	19	281	494	4,360
November	841	11,200	4	169	20	295	849	5,210
December	507	11,600	11	507	19	330	520	5,730
January-August	3,340	70,700	165	1,600	127	1,590	3,480	XX
January-December	5,540	117,000	200	3,090	205	2,510	5,730	XX
2018:								
January	308	8,990	1	58	19	280	314	314
February	973	11,800	19	353	16	276	991	1,300
March	1,310	17,700	4	190			1,310	2,610
April	530	16,200	5	290	38	555	543	3,160
May	990	22,000	7	412	21	833	1,000	4,160
June	336	12,000	5	180	1	12	340	4,500
July	605	19,100	12	686	12	35	616	5,110
August	626	19,700	2	83	59	851	642	5,760
January-August	5,680	127,000	56	2,250	165	2,840	5,760	XX

XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include other intermediate products of cobalt metallurgy and unwrought cobalt alloys.

³Cobalt acetates and cobalt chlorides.

⁴Free alongside ship (f.a.s.) value.

⁵Estimated from gross weights.

⁶May include revisions to previously published data.

TABLE 5 U.S. EXPORTS OF WROUGHT COBALT, COBALT ORE, AND CONCENTRATES 1

	Wrought o	Wrought cobalt and cobalt articles Cobalt ore and concentrates			
	cobalt a				
	Gross		Gross		
	weight	Value ²	weight	Value ²	
Period	(metric tons)	(thousands)	(metric tons)	(thousands)	
2017:					
August	115	\$9,010	6	\$30	
September	98	9,000	1	5	
October	107	8,340			
November	85	10,200			
December	94	10,400	3	7	
January–August	802	64,300	249	1,030	
January-December	1,190	102,000	253	1,040	
2018:					
January	98	9,690			
February	99	10,100	(3)	4	
March	88	10,700			
April	70	6,970	(3)	3	
May	69	8,500			
June	109	11,800	2	83	
July	92	9,850	35	302	
August	85	9,340			
January-August	710	77,000	37	391	

-- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Free alongside ship (f.a.s.) value.

³Less than $\frac{1}{2}$ unit.