

LME Valuation - Copper

Cash - 3M: 14.25c

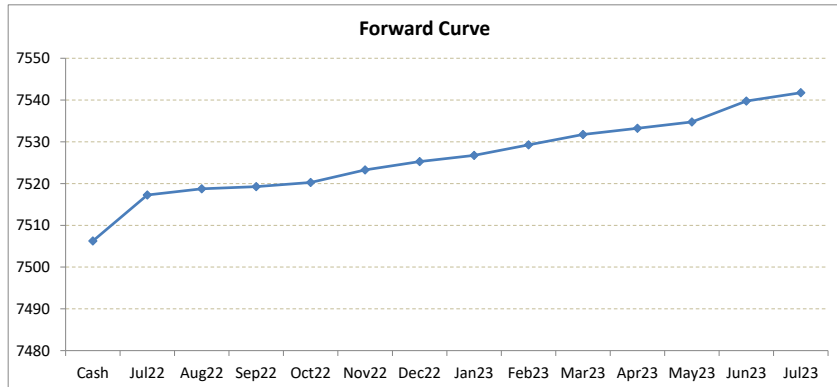
Date: 2022-07-06

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	7506.25											
3M	7520.50											
Jul22	7517.25											
Aug22	7518.75											
Sep22	7519.25											
Oct22	7520.25											
Nov22	7523.25											
Dec22	7525.25											
Jan23	7526.75											
Feb23	7529.25											
Mar23	7531.75											
Apr23	7533.25											
May23	7534.75											
Jun23	7539.75											
Jul23	7541.75											

	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
Cash	11.00c	12.50c	13.00c	14.00c	17.00c	19.00c	20.50c	23.00c	25.50c	27.00c	28.50c	33.50c
3M	3.25c	1.75c	1.25c	0.25b	2.75c	4.75c	6.25c	8.75c	11.25c	12.75c	14.25c	19.25c

	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	1.50c	0.50c	1.00c	3.00c	2.00c	1.50c	2.50c	2.50c	1.50c	1.50c	5.00c	2.00c

	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	1.50c	2.00c	3.00c	6.00c	8.00c	9.50c	12.00c	14.50c	16.00c	17.50c	22.50c	24.50c
Aug22		0.50c	1.50c	4.50c	6.50c	8.00c	10.50c	13.00c	14.50c	16.00c	21.00c	23.00c
Sep22			1.00c	4.00c	6.00c	7.50c	10.00c	12.50c	14.00c	15.50c	20.50c	22.50c
Oct22				3.00c	5.00c	6.50c	9.00c	11.50c	13.00c	14.50c	19.50c	21.50c
Nov22					2.00c	3.50c	6.00c	8.50c	10.00c	11.50c	16.50c	18.50c
Dec22						1.50c	4.00c	6.50c	8.00c	9.50c	14.50c	16.50c
Jan23							2.50c	5.00c	6.50c	8.00c	13.00c	15.00c
Feb23								2.50c	4.00c	5.50c	10.50c	12.50c
Mar23									1.50c	3.00c	8.00c	10.00c
Apr23										1.50c	6.50c	8.50c
May23											5.00c	7.00c
Jun23												2.00c
Jul23												



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 ** Source: Reuters

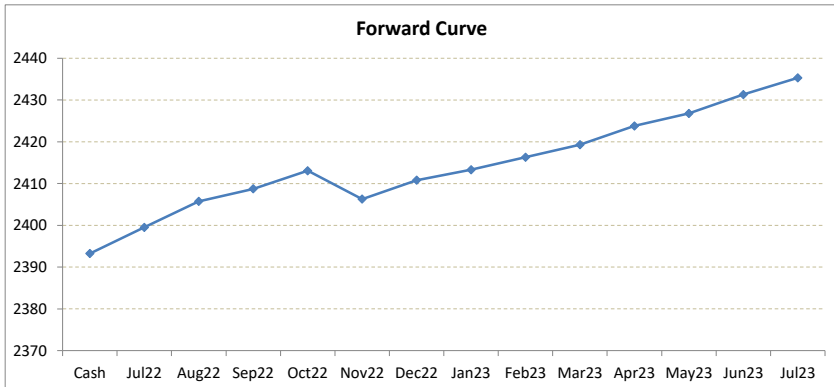
LME Valuation - Aluminium

Cash - 3M: 16.25c

Date: 2022-07-06

Cash 2393.25
3M 2409.50
 Jul22 **2399.50**
 Aug22 **2405.75**
 Sep22 **2408.75**
 Oct22 **2413.05**
 Nov22 **2406.30**
 Dec22 **2410.80**
 Jan23 **2413.30**
 Feb23 **2416.30**
 Mar23 **2419.30**
 Apr23 **2423.80**
 May23 **2426.80**
 Jun23 **2431.30**
 Jul23 **2435.30**

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	6.25c	12.50c	15.50c	19.80c	13.05c	17.55c	20.05c	23.05c	26.05c	30.55c	33.55c	38.05c
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
3M	10.00c	3.75c	0.75c	3.55c	3.20b	1.30c	3.80c	6.80c	9.80c	14.30c	17.30c	21.80c
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	6.25c	3.00c	4.30c	6.75b	4.50c	2.50c	3.00c	3.00c	4.50c	3.00c	4.50c	4.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	6.25c	9.25c	13.55c	6.80c	11.30c	13.80c	16.80c	19.80c	24.30c	27.30c	31.80c	35.80c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Aug22		3.00c	7.30c	0.55c	5.05c	7.55c	10.55c	13.55c	18.05c	21.05c	25.55c	29.55c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Sep22			4.30c	2.45b	2.05c	4.55c	7.55c	10.55c	15.05c	18.05c	22.55c	26.55c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Oct22				6.75b	2.25b	0.25c	3.25c	6.25c	10.75c	13.75c	18.25c	22.25c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Nov22					4.50c	7.00c	10.00c	13.00c	17.50c	20.50c	25.00c	29.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Dec22						2.50c	5.50c	8.50c	13.00c	16.00c	20.50c	24.50c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jan23							3.00c	6.00c	10.50c	13.50c	18.00c	22.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Feb23								3.00c	7.50c	10.50c	15.00c	19.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Mar23									4.50c	7.50c	12.00c	16.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Apr23										3.00c	7.50c	11.50c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
May23											4.50c	8.50c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jun23												4.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul23												



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 ** Source: Reuters

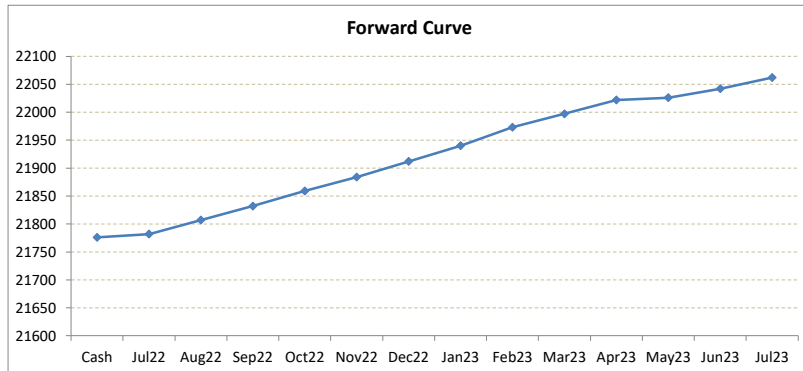
LME Valuation - Nickel

Cash - 3M: 73.00c

Date: 2022-07-06

Cash 21776.00
3M 21849.00
 Jul22 **21782.00**
 Aug22 **21807.00**
 Sep22 **21832.00**
 Oct22 **21859.00**
 Nov22 **21884.00**
 Dec22 **21912.00**
 Jan23 **21940.00**
 Feb23 **21973.00**
 Mar23 **21997.00**
 Apr23 **22022.00**
 May23 **22026.00**
 Jun23 **22042.00**
 Jul23 **22062.00**

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	6.00c	31.00c	56.00c	83.00c	108.00c	136.00c	164.00c	197.00c	221.00c	246.00c	250.00c	266.00c
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
3M	67.00c	42.00c	17.00c	10.00c	35.00c	63.00c	91.00c	124.00c	148.00c	173.00c	177.00c	193.00c
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	25.00c	25.00c	27.00c	25.00c	28.00c	28.00c	33.00c	24.00c	25.00c	4.00c	16.00c	20.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	25.00c	50.00c	77.00c	102.00c	130.00c	158.00c	191.00c	215.00c	240.00c	244.00c	260.00c	280.00c
	Aug22	25.00c	52.00c	77.00c	105.00c	133.00c	166.00c	190.00c	215.00c	219.00c	235.00c	255.00c
		Sep22	27.00c	52.00c	80.00c	108.00c	141.00c	165.00c	190.00c	194.00c	210.00c	230.00c
			Oct22	25.00c	53.00c	81.00c	114.00c	138.00c	163.00c	167.00c	183.00c	203.00c
				Nov22	28.00c	56.00c	89.00c	113.00c	138.00c	142.00c	158.00c	178.00c
					Dec22	28.00c	61.00c	85.00c	110.00c	114.00c	130.00c	150.00c
						Jan23	33.00c	57.00c	82.00c	86.00c	102.00c	122.00c
							Feb23	24.00c	49.00c	53.00c	69.00c	89.00c
								Mar23	25.00c	29.00c	45.00c	65.00c
									Apr23	4.00c	20.00c	40.00c
										May23	16.00c	36.00c
											Jun23	20.00c
												Jul23



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** Source: Reuters

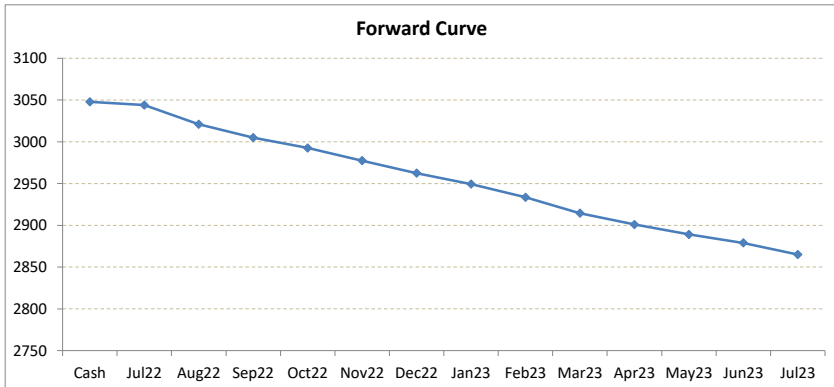
LME Valuation - Zinc

Cash - 3M: **49.99b**

Date: **2022-07-06**

Cash 3047.99
3M 2998.00
 Jul22 **3044.00**
 Aug22 **3021.00**
 Sep22 **3005.00**
 Oct22 **2992.50**
 Nov22 **2977.50**
 Dec22 **2962.50**
 Jan23 **2949.50**
 Feb23 **2933.50**
 Mar23 **2914.50**
 Apr23 **2901.00**
 May23 **2889.00**
 Jun23 **2879.00**
 Jul23 **2865.00**

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	3.99b	26.99b	42.99b	55.49b	70.49b	85.49b	98.49b	114.49b	133.49b	146.99b	158.99b	168.99b
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
3M	46.00b	23.00b	7.00b	5.50b	20.50b	35.50b	48.50b	64.50b	83.50b	97.00b	109.00b	119.00b
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	23.00b	16.00b	12.50b	15.00b	15.00b	13.00b	16.00b	19.00b	13.50b	12.00b	10.00b	14.00b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	23.00b	39.00b	51.50b	66.50b	81.50b	94.50b	110.50b	129.50b	143.00b	155.00b	165.00b	179.00b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Aug22	16.00b	28.50b	43.50b	58.50b	71.50b	87.50b	106.50b	120.00b	132.00b	142.00b	156.00b	
	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
Sep22	12.50b	27.50b	42.50b	55.50b	71.50b	90.50b	104.00b	116.00b	126.00b	140.00b		
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23		
Oct22	15.00b	30.00b	43.00b	59.00b	78.00b	91.50b	103.50b	113.50b	127.50b			
	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23			
Nov22	15.00b	28.00b	44.00b	63.00b	76.50b	88.50b	98.50b	112.50b				
	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23				
Dec22	13.00b	29.00b	48.00b	61.50b	73.50b	83.50b	97.50b					
	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23					
Jan23	16.00b	35.00b	48.50b	60.50b	70.50b	84.50b						
	Feb23	Mar23	Apr23	May23	Jun23	Jul23						
Feb23	19.00b	32.50b	44.50b	54.50b	68.50b							
	Mar23	Apr23	May23	Jun23	Jul23							
Mar23	13.50b	25.50b	35.50b	49.50b								
	Apr23	May23	Jun23	Jul23								
Apr23	12.00b	22.00b	36.00b									
	May23	Jun23	Jul23									
May23	10.00b	24.00b										
	Jun23	Jul23										
Jun23	10.00b	14.00b										
	Jul23											
Jul23	14.00b											



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 ** Source: Reuters

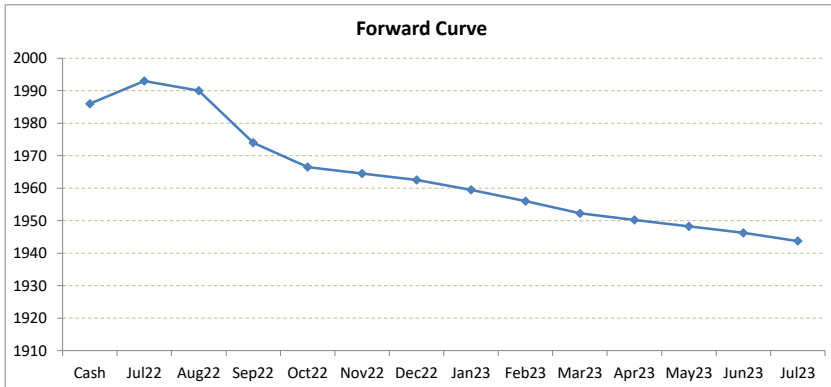
LME Valuation - Lead

Cash - 3M: **17.00b**

Date: **2022-07-06**

Cash 1986.00
3M 1969.00
Jul22 1993.00
Aug22 1990.00
Sep22 1974.00
Oct22 1966.50
Nov22 1964.50
Dec22 1962.50
Jan23 1959.50
Feb23 1956.00
Mar23 1952.25
Apr23 1950.25
May23 1948.25
Jun23 1946.25
Jul23 1943.75

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	7.00c	4.00c	12.00b	19.50b	21.50b	23.50b	26.50b	30.00b	33.75b	35.75b	37.75b	39.75b
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
3M	24.00b	21.00b	5.00b	2.50b	4.50b	6.50b	9.50b	13.00b	16.75b	18.75b	20.75b	22.75b
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	3.00b	16.00b	7.50b	2.00b	2.00b	3.00b	3.50b	3.75b	2.00b	2.00b	2.00b	2.50b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	3.00b	19.00b	26.50b	28.50b	30.50b	33.50b	37.00b	40.75b	42.75b	44.75b	46.75b	49.25b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Aug22		16.00b	23.50b	25.50b	27.50b	30.50b	34.00b	37.75b	39.75b	41.75b	43.75b	46.25b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Sep22			7.50b	9.50b	11.50b	14.50b	18.00b	21.75b	23.75b	25.75b	27.75b	30.25b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Oct22				2.00b	4.00b	7.00b	10.50b	14.25b	16.25b	18.25b	20.25b	22.75b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Nov22					2.00b	5.00b	8.50b	12.25b	14.25b	16.25b	18.25b	20.75b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Dec22						3.00b	6.50b	10.25b	12.25b	14.25b	16.25b	18.75b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jan23							3.50b	7.25b	9.25b	11.25b	13.25b	15.75b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Feb23								3.75b	5.75b	7.75b	9.75b	12.25b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Mar23									2.00b	4.00b	6.00b	8.50b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Apr23										2.00b	4.00b	6.50b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
May23											2.00b	4.50b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jun23												2.50b
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul23												



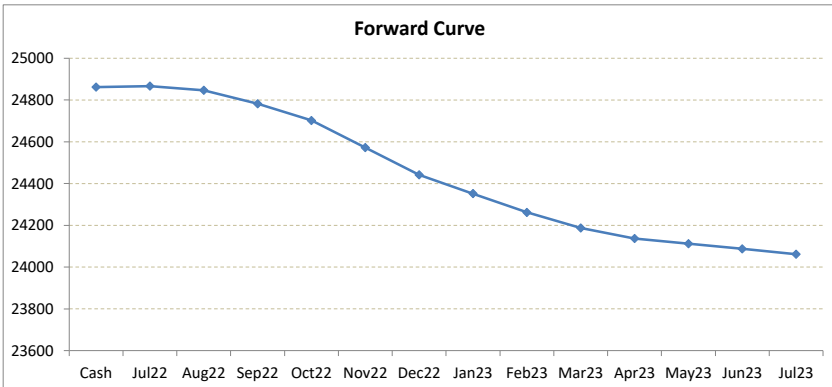
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 ** Source: Reuters

LME Valuation - Tin

Cash - 3M: **150.00b**

Date: **2022-07-06**

Cash	24862.00	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
3M	24712.00	5.00c	15.00b	80.00b	160.00b	290.00b	420.00b	510.00b	600.00b	675.00b	725.00b	750.00b	775.00b
Jul22	24867.00												
Aug22	24847.00	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
Sep22	24782.00	155.00b	135.00b	70.00b	10.00b	140.00b	270.00b	360.00b	450.00b	525.00b	575.00b	600.00b	625.00b
Oct22	24702.00												
Nov22	24572.00	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
Dec22	24442.00	20.00b	65.00b	80.00b	130.00b	130.00b	90.00b	90.00b	75.00b	50.00b	25.00b	25.00b	25.00b
Jan23	24352.00												
Feb23	24262.00	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Mar23	24187.00	20.00b	85.00b	165.00b	295.00b	425.00b	515.00b	605.00b	680.00b	730.00b	755.00b	780.00b	805.00b
Apr23	24137.00	Aug22	65.00b	145.00b	275.00b	405.00b	495.00b	585.00b	660.00b	710.00b	735.00b	760.00b	785.00b
May23	24112.00		Sep22	80.00b	210.00b	340.00b	430.00b	520.00b	595.00b	645.00b	670.00b	695.00b	720.00b
Jun23	24087.00			Oct22	130.00b	260.00b	350.00b	440.00b	515.00b	565.00b	590.00b	615.00b	640.00b
Jul23	24062.00				Nov22	130.00b	220.00b	310.00b	385.00b	435.00b	460.00b	485.00b	510.00b
						Dec22	90.00b	180.00b	255.00b	305.00b	330.00b	355.00b	380.00b
							Jan23	90.00b	165.00b	215.00b	240.00b	265.00b	290.00b
								Feb23	75.00b	125.00b	150.00b	175.00b	200.00b
									Mar23	50.00b	75.00b	100.00b	125.00b
										Apr23	25.00b	50.00b	75.00b
											May23	25.00b	50.00b
												Jun23	25.00b
													Jul23



*본 자료는 LME에서 공시하는 Valuation을 토대로 작성된 것으로 실제 거래 시의 스프레드와는 무관합니다.
 ** Source: Reuters