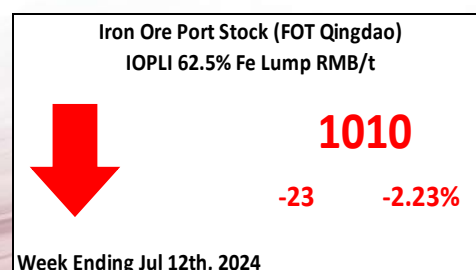
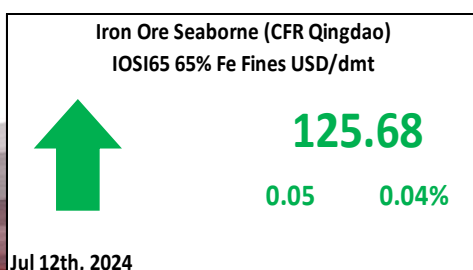
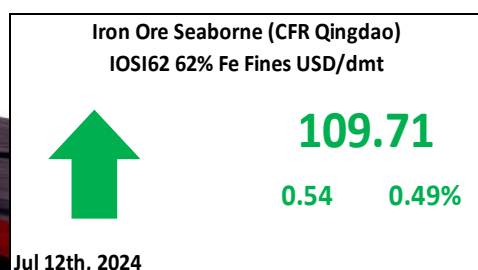
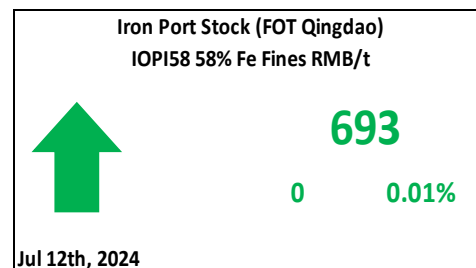
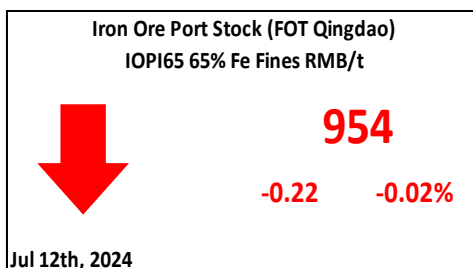
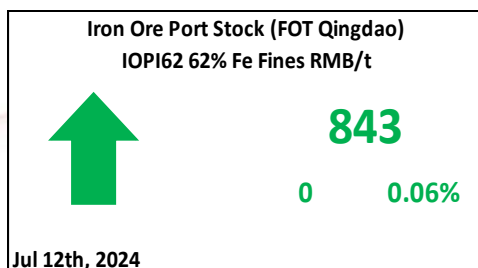


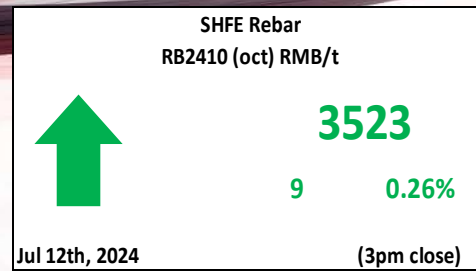
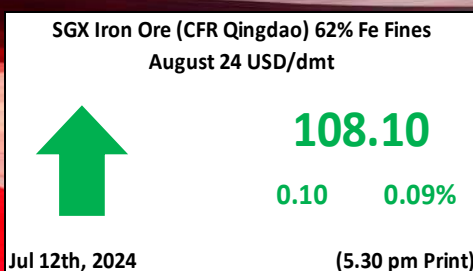
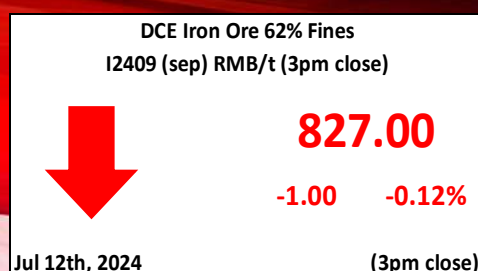


MMi Dashboard

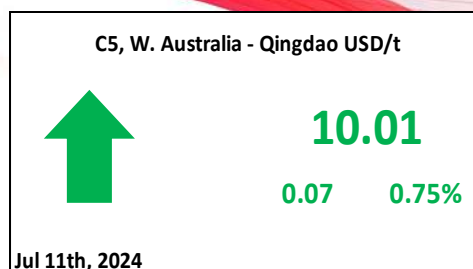
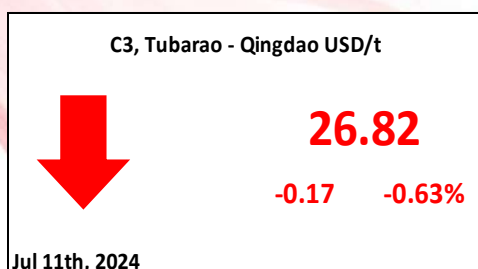
Iron Ore Price Indices



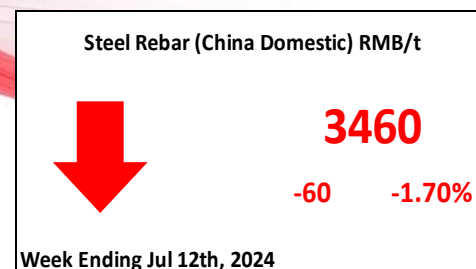
Exchange Traded Contracts



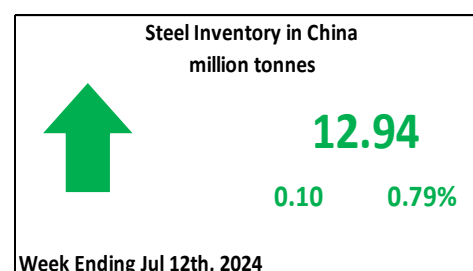
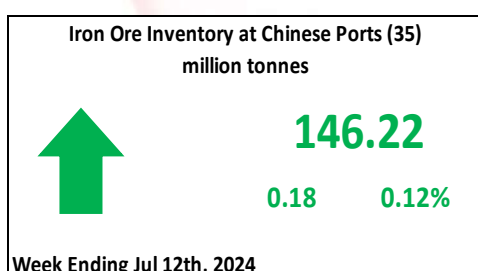
Freight Rates



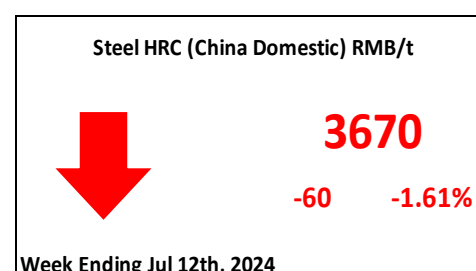
Steel Price



Inventory Levels



Steel Price



IRON ORE PORT STOCK INDEX (IOPI)

Jul 12th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²
IOPI62	62% Fe Fines	843	0.5	0.06%	880	895	770	1063	110.00	0.18	0.2%	116.38	121.03	101.00	140.00
IOPI58	58% Fe Fines	693	0.0	0.01%	785	781	665	963	91.00	0.36	0.4%	104.50	106.10	86.00	128.00
IOPI65	65% Fe Fines	954	-0.2	-0.02%	996	1026	881	1175	125.00	0.12	0.1%	132.21	139.47	116.00	155.00

IRON ORE SEABORNE INDEX (IOSI)

MARKET COMMENTARY

Jul 12th, 2024		CFR Qingdao, USD/dry tonne							DCE iron ore futures continued to fluctuate in a day, the main contract closed 827, an increase of 0.3% throughout the day; some traders according to market conditions. Some steel mills tended to be wait-and-see, and purchasing enthusiasm is not high, today's overall market transaction atmosphere in general. PBF at Shandong port dealt 820-825 yuan/mt; increased 5 yuan/mt over yesterday. PBF at Tangshan port dealt 840-845 yuan/mt; increased 5 yuan/mt over yesterday. As of July 12th, the total inventory of 35 ports tracked by SMM was 146.22 million tons, an increase of 180000 tons month on month and 24.85 million tons year-on-year; The daily average port clearance of imported mines is 3.025 million tons, a decrease of 0.4 million tons compared to the previous period and a decrease of 27000 tons compared to the same period last year. This week, the pig iron began to decline, dragging down the decrease in port clearance volume; Port inventory continues to accumulate and mineral prices are under pressure, with insufficient upward momentum. Pay attention to whether next week's meeting will bring favorable policies.							
Index	Fe Content	Price	Change	Change %	MTD	YTD	Low ²	High ²	Price	Change	Change %	MTD	YTD	Low ²	High ²	
IOSI62	62% Fe Fines	109.71	0.54	0.49%	116.42	116.42	99.20	146.75								
IOSI65	65% Fe Fines	125.68	0.05	0.04%	130.60	130.60	115.45	171.65								

IRON ORE PORT LUMP INDEX (IOPLI)

Week Ending Jul 12th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ³						
Index	Fe Content	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²	Price	W-o-W	Change %	MTD	YTD	Low ²	High ²
IOPLI62	62.5% Fe Lump	1010	-23	-2.2%	994	1041	900	1210	126.93	-3.02	-2.32%	126.95	136.27	113.28	153.57

IRON ORE DOMESTIC CONCENTRATE SPOT PRICE ASSESSMENTS AND COMPOSITE INDEX

Week Ending Jul 12th, 2024				RMB/tonne (excluding tax) ³				USD/tonne (excluding tax) ³			
Province	Region	Product	Basis	This week	Change %	Low ²	High ²	This week	Change %	Low ²	High ²
Hebei	Hanxing	66% Fe Concentrate	Dry	1010	4.9%	779	1645	141.62	4.84%	110.31	255.69
Hebei	Qian'an	65% Fe Concentrate	Dry	1055	0.5%	780	1630	147.93	0.44%	110.51	251.57
Liaoning	Anshan	65% Fe Concentrate	Wet	810	-1.2%	620	1310	113.58	-1.26%	87.40	202.32
Shandong	Zibo	65% Fe Concentrate	Dry	1074	5.2%	800	1752	150.59	5.15%	0.00	272.32

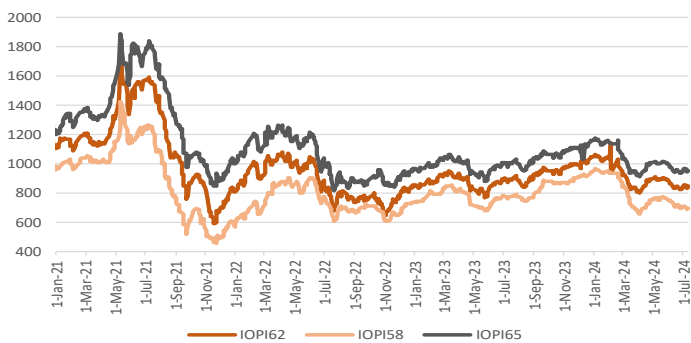
Week Ending Jul 12th, 2024

This week	Change %	Low ²	High ²
946.24	1.37%	706.36	1511.22

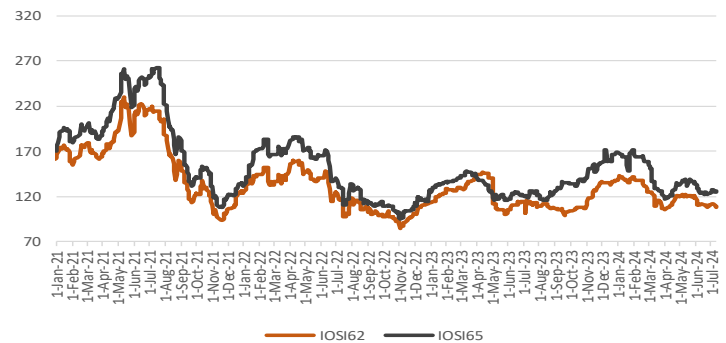
China Mines Concentrate Composite Index RMB/WT

¹ Exchange rate applied: RMB/USD = 6.7522 ² Last 12 months
³ Weekly exchange rate applied: RMB/USD = 6.87528

IRON ORE PORT INDEX, FOT QINGDAO (RMB/WT)



IRON ORE SEABORNE INDEX, CFR QINGDAO (USD/DMT)



IRON ORE PORT STOCK INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Jul 12th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne						
Index	Fe Content	March	April	May	June	MTD	QTD	YTD	March	April	May	June	MTD	QTD	YTD
IOPI62	62% Fe Fines	860	857	894	842	880	874	895	112.79	112.32	117.28	110.03	115.32	115.83	120.56
IOPI58	58% Fe Fines	752	711	762	719	785	779	781	99.14	93.48	100.47	94.46	103.33	103.96	105.35
IOPI65	65% Fe Fines	972	969	1006	954	996	992	1026	127.92	127.43	132.42	125.13	131.20	131.91	139.19

IRON ORE SEABORNE INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

FREIGHT RATES

Jul 12th, 2024		CFR Qingdao, USD/dry tonne							FREIGHT RATES - DRY BULK US\$/wet tonne						
Index	Fe Content	March	April	May	June	MTD	QTD	YTD	Route	Designation	Change	Change %	Low ²	High ²	
IOSI62	62% Fe Fines	116.50	112.78	120.10	110.42	112.14	115.18	116.42	W. Australia - Qingdao	C5	10.01	0.07	0.75%	3.57	16.77
IOSI65	65% Fe Fines	135.22	124.98	136.06	125.14	122.86	129.04	130.60	Tubarao - Qingdao	C3	26.82	-0.17	-0.63%	6.70	36.40

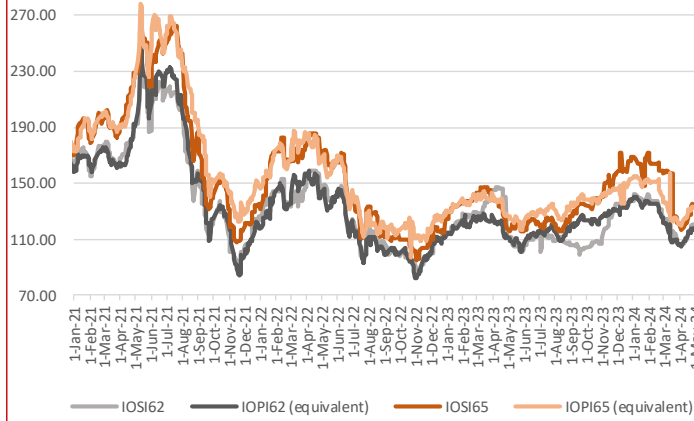
IRON ORE PORT LUMP INDEX MONTHLY, QUARTERLY AND YEAR-TO-DATE AVERAGES

Week Ending Jul 12th, 2024		FOT Qingdao (inc. 13% VAT), RMB/wet tonne							CFR Qingdao Equivalent (exc. 13% VAT), USD/dry tonne ¹						
Index	Fe Content	March	April	May	June	MTD	QTD	YTD	March	April	May	June	MTD	QTD	YTD
IOPLI62	62.5% Fe Lump	982	997	1024	1011	933	989	1017	123.87	125.79	129.18	127.27	119.96	126.47	134.98

IRON ORE INDEX PREMIUMS/DISCOUNTS

Jul 12th, 2024		PORT STOCK INDEX (RMB/WT)		SEABORNE INDEX (USD/DMT)	
Index	Fe Content	Spread to IOPI62	% Spread to IOPI62	Index	Fe Content
IOPI58	58% Fe Fines	-150	-17.79%	IOSI65	65% Fe Fines
IOPI65	65% Fe Fines	111	13.17%		

IRON ORE INDEX COMPARISONS (USD/DMT)



CHINA DOMESTIC COMPOSITE MINES INDEX (RMB/Wet Tonne, including VAT)



IRON ORE BRAND SPOT PRICE ASSESSMENTS

Jul 12th, 2024				Jul 12th, 2024			
PORT STOCK INDEX (RMB/WT)				SEABORNE INDEX (USD/DMT)			
	Price	Change	Diff to IOPI62		Price	Change	Diff to IOSI62
Roy Hill	786	0	-57	Roy Hill	105.21	0.54	-4.50
SIMEC Fines	715	0	-128	SIMEC Fines	101.71	0.54	-8.00
PB Fines	812	0	-31	PB Fines	105.96	0.54	-3.75
Newman Fines	812	0	-31	Newman Fines	108.84	0.54	-0.88
MAC Fines	793	0	-50	MAC Fines	105.96	0.54	-3.75
Jimblebar Blended Fines	708	0	-135	Jimblebar Blended Fines	98.34	0.54	-11.38
Carajas Fines	1023	0	180	Carajas Fines	139.26	0.54	29.55
Brazilian SSF	806	0	-37	Brazilian SSF	113.46	0.54	3.75
Brazilian Blend Fines	825	0	-18	Brazilian Blend Fines	115.09	0.54	5.38
RTX Fines	726	0	-117	RTX Fines	99.59	0.54	-10.13
West Pilbara Fines	754	0	-89	West Pilbara Fines	103.96	0.54	-5.75

Jul 12th, 2024			
PORT STOCK INDEX (RMB/WT)			
	Price	Change	Diff to IOPI58
SSF	693	0	0
FMG Blended Fines	702	0	9
Robe River	702	0	9
Western Fines	705	0	12
Atlas Fines	699	0	6
Yandi	687	0	-6

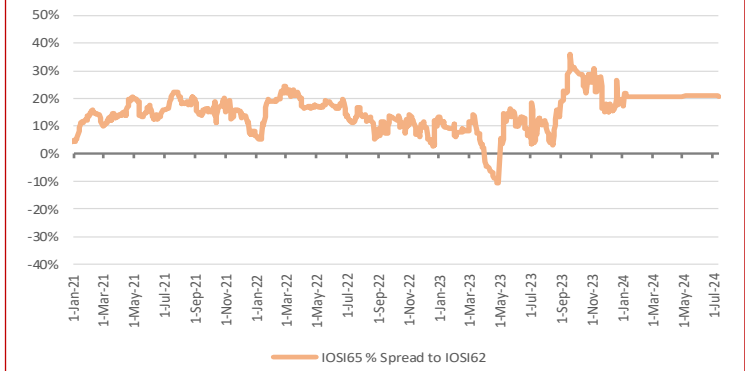
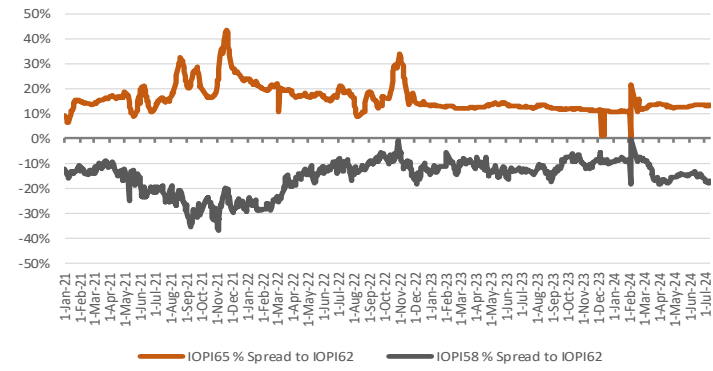
IRON ORE INDEX NORMALISATION DIFFERENTIALS

Port Stock Index Product Differentials (RMB/wet tonne)				Seaborne Index Product Differentials (USD/dry tonne)			
	Applicable range	Value	Change		Applicable range	Value	Change
1% Fe	High Grade Fe 60 - 63%	9.00	1.00	1% Fe	High Grade Fe 60 - 63%	2.25	0.00
	High Grade Fe 63 - 64%	40.00	0.00		High Grade Fe 63 - 64%	4.00	0.00
	High Grade Fe 64 - 65%	40.00	0.00		High Grade Fe 64 - 65%	4.00	0.00
	High Grade Fe 65 - 65.5%	40.00	0.00		High Grade Fe 65 - 65.5%	4.00	0.00
1% Alumina	Low Grade Fe	30.00	1.00	1% Alumina	High Fe Grade Al <2.25%	5.00	0.00
	High Fe Grade Al <2.25%	75.00	5.00		High Fe Grade Al 2.25-4%	3.00	0.00
	High Fe Grade Al 2.25-4%	19.00	4.00				
	Low Fe Grade Al <2.25%	125.00	0.00				
1% Silica	Low Fe Grade Al 2.25-4%	55.00	4.00	1% Silica	High Fe Grade Si <4%	1.00	0.00
	High Fe Grade Si <4%	37.00	3.00		High Fe Grade Si 4 - 6.5%	1.00	0.00
0.01% Phosphorus	High Fe Grade Si 4-6.5%	41.00	7.00	0.01% Phosphorus	High Fe Grade 0.09%<P<0.115%	1.25	0.00
	Low Fe Grade	37.00	1.00		High Fe Grade 0.115%<P<0.15%	1.00	0.00
	High Fe Grade 0.09%<P<0.115%	12.00	3.00				
	High Fe Grade 0.115%<P<0.15%	12.00	3.00				
	Low Fe Grade 0.09%<P<0.1%	5.00	0.00				

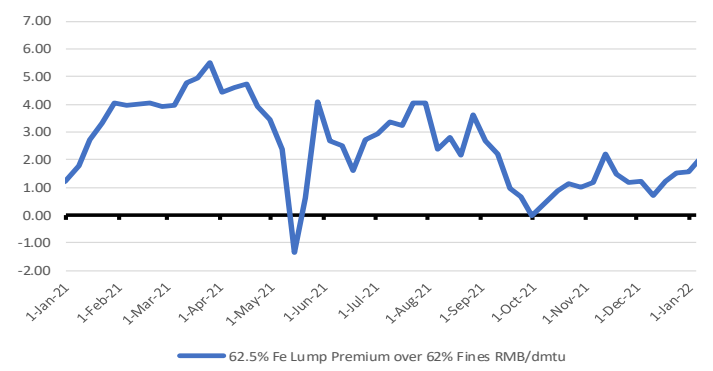
Port Stock Price Differentials to Qingdao Port for PB Fines (RMB/wet tonne)

Port	Value	Change	Port	Value	Change	Port	Value	Change	Port	Value	Change
Bayuquan	-50.00	0.00	Fangcheng	-25.00	0.00	Lanshan	0.00	0.00	Rizhao	0.00	0.00
Beilun	0.00	0.00	Jiangyin	-30.00	0.00	Lianyungang	0.00	0.00	Shekou	0.00	0.00
Caofeidian	-20.00	0.00	Jingtang	-20.00	0.00	Majishan	0.00	0.00	Taichang	-30.00	0.00
Dalian	0.00	0.00	Lanqiao	0.00	0.00	Qingdao	0.00	0.00	Tianjin	-10.00	0.00

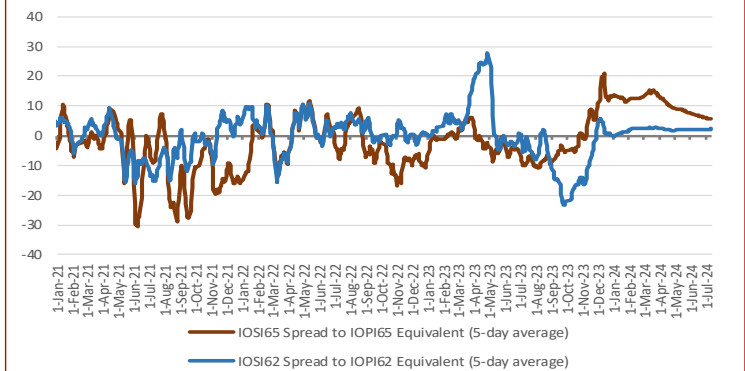
IRON ORE INDEX PREMIUMS/DISCOUNTS



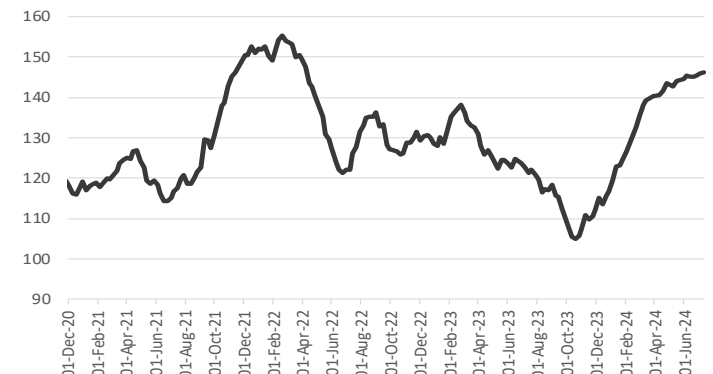
WEEKLY IRON ORE PORT STOCK LUMP PREMIUM (RMB/DMTU)



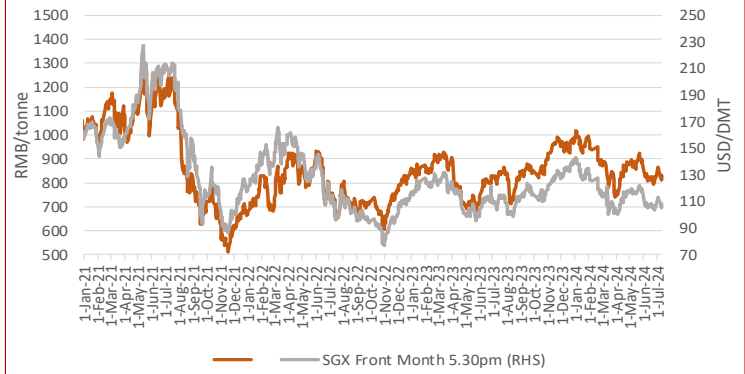
IRON ORE SEABORNE TO PORT STOCK PRICE SPREADS (USD/DMT)



TOTAL IRON ORE INVENTORIES AT CHINA PORTS (MILLION TONNES)



FUTURE TRADING—FRONT MONTH CLOSING PRICE



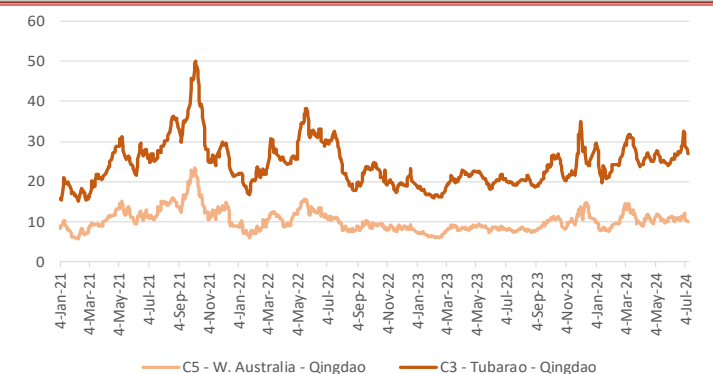
IRON ORE PORT INVENTORIES (MILLION TONNES)

Week Ending Jul 12th, 2024				
Province	This week	Change %	Low ²	High ²
Jingtang	16.95	-0.82%	8.41	19.20
Qingdao	23.19	2.66%	9.41	26.24
Caofeidian	16.18	0.81%	7.56	17.00
Tianjin	10.27	0.10%	6.49	12.97
Rizhao	18.82	3.41%	9.44	19.26
Total (35 Ports)	146.22	0.12%	98.80	155.39

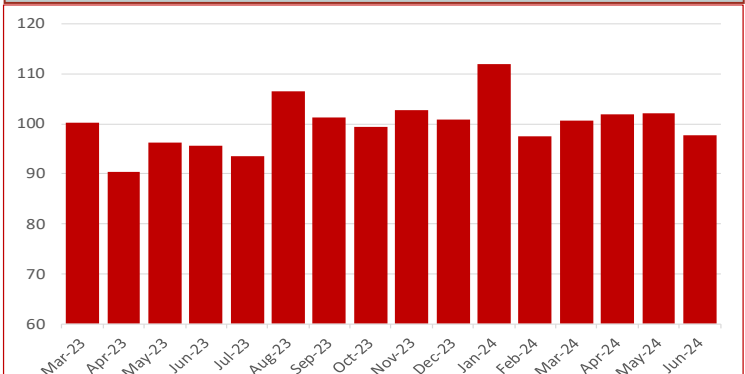
IRON ORE FUTURES CONTRACTS

Closing Date	DCE (RMB/WMT)			SGX (USD/DMT)		
	Jul 12th, 3pm close			Jul 12th, 5:30pm		
Contract	12409	Change	Change %	August. 24	Change	Change %
Closing Price	827.00	-1.00	-0.12%	108.10	0.10	0.09%
Vol traded ('000 lots)	25.66	-6.81	-20.97%	6.42	-2.09	-24.52%
Open positions ('000 lots)	33.15	-0.48	-1.43%	28.89	-0.42	-1.44%
Day Low	819.5	6.00	0.74%	106.80	1.30	1.23%
Day High	832.5	-6.50	-0.77%	108.35	-0.90	-0.82%

DRY BULK FREIGHT RATES (USD/MT)



TOTAL CHINA IRON ORE IMPORT VOLUMES (MILLION TONNES)



STEEL SPOT MARKET PRICES—CHINA

Steel Spot Market RMB/tonne

Product	2024/7/12	Change	Change %
ReBar HRB400 φ18mm	3,460	-60	-1.70%
Wirerod Q300 φ6.5mm	3,770	-60	-1.57%
HRC Q235/SS400 5.5mm*1500*C	3,670	-60	-1.61%
CRC SPCC/ST12 1.0mm*1250*2500	4,030	-70	-1.71%
Medium & Heavy Plate Q235B 20mm	3,620	-60	-1.63%
GI ST02Z 1.0mm*1000*C	4,650	-100	-2.11%
Colour Coated Plate	6,400	-50	-0.78%

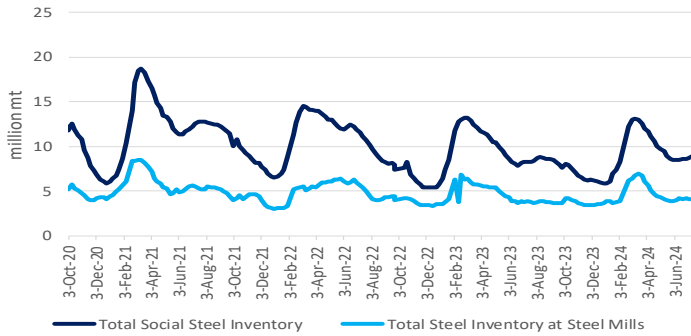
CHINESE STEEL MILL PROFITABILITY

SMM Tracking of Steel Mill P&L - Rebar and Hot-rolled Coil (RMB/tonne)

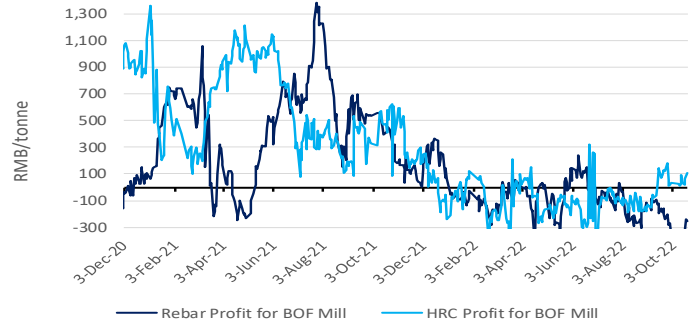
Category	Price	Change (WoW)	Note
MMi (Fe 62%), USD/mt excluding tax	109.17	-2	Mmi CFR Equivalent index for 1st Feb
Coke	2,230	0	2nd grade met coke, Tangshan, incl. tax
Steel Scrap	2,790	50	steel scrap (6mm) in Zhangjiagang, excl. tax
Billet Cost	2,950	-30	Q234, incl. tax
Rebar cost - Blast furnace	3,560	-34	calculated based on theoretical weight, incl. tax
Rebar profit - Blast furnace	-180	-16	based on Shanghai prices, incl. tax
Hot-rolled coil cost - Blast furnace	3,607	-23	based on actual weight, incl. tax
Hot-rolled coil profit - Blast furnace	63	-37	based on Shanghai prices, incl. tax

Note: 1. Costs in the table are calculated based on today's market prices and factored our management, sales, financial and depreciations fees. 2. The cost refers to average cost in the industry based on SMM's survey of small, medium and large mills in China

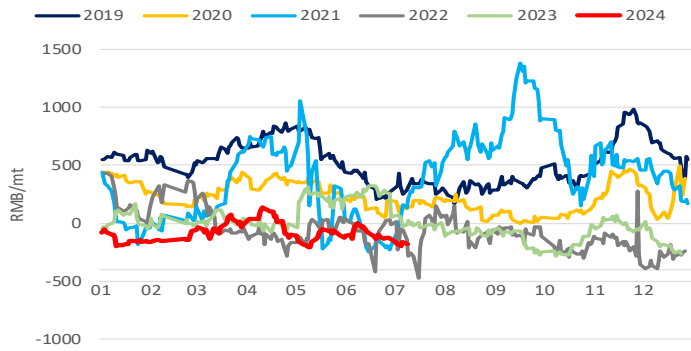
CHINESE STEEL INVENTORIES



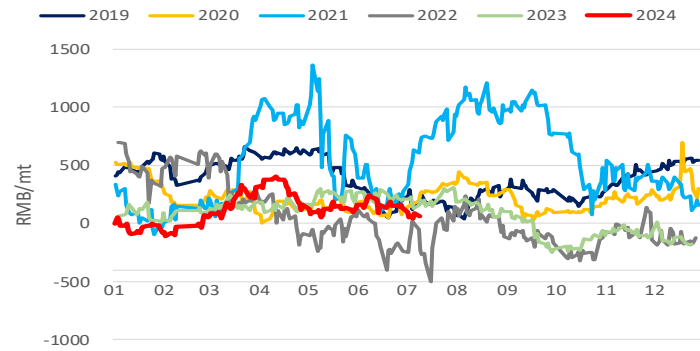
CHINESE STEEL MILL PROFITABILITY



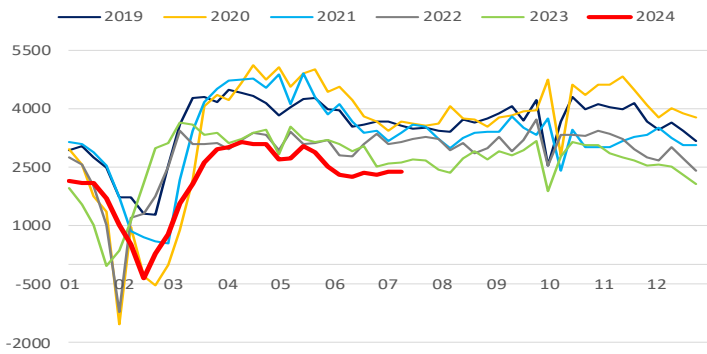
CHINESE STEEL MILL PROFITABILITY—Rebar



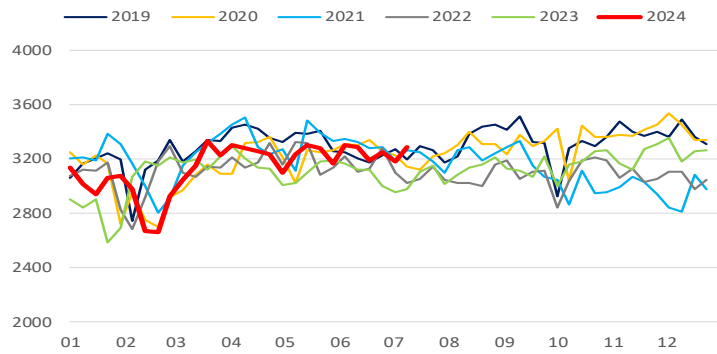
CHINESE STEEL MILL PROFITABILITY—Hot-rolled Coil



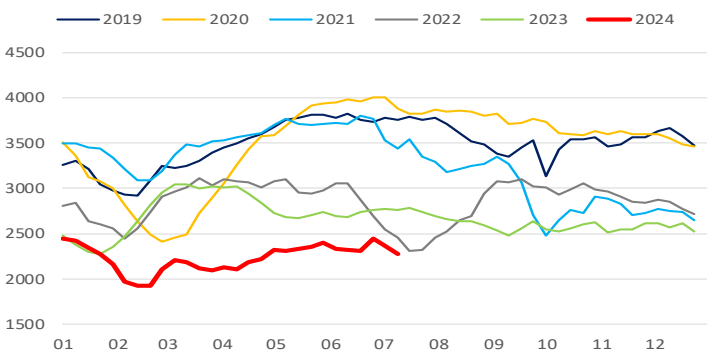
CHINESE STEEL CONSUMPTION—Rebar



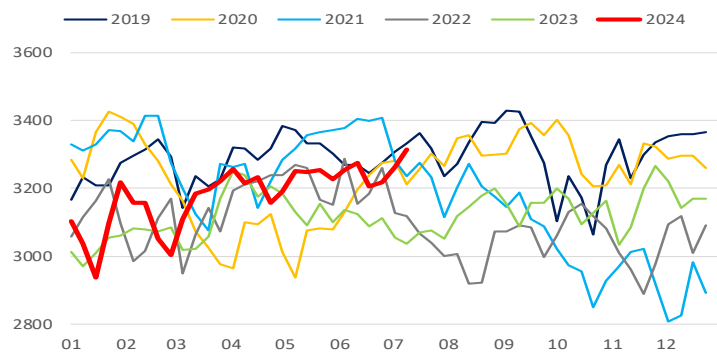
CHINESE STEEL CONSUMPTION—Hot-rolled Coil



CHINESE STEEL PRODUCTION—Rebar



CHINESE STEEL PRODUCTION—Hot-rolled Coil



IRON ORE INDEX SPECIFICATIONS, COMPILATION RATIONALE AND DATA EXCLUSIONS

Iron Ore Index Specifications (Port and Seaborne)					Iron Ore Index Compilation Rationale and Data Exclusions																				
	65% Fe Fines	62% Fe Fines	58% Fe Fines	62.5% Fe Lump																					
Fe %	65.00	62.00	58.00	62.50	MMi iron ore indices are compiled from data provided by companies that are part of the iron ore supply chain and involved in spot market transactions. The indices are calculated using detailed transaction-level data submitted to MMi by these companies. This data is normalised to the appropriate specifications and screened to remove outliers before volume-weighted average prices are calculated from the remaining core set of data. For more details on MMi's iron ore methodology please download the guide published on our website at: www.mmiprices.com																				
Alumina %	1.40	2.25	2.25	1.50																					
Silica%	1.50	4.00	5.50	3.50																					
Phosphorus %	0.06	0.09	0.05	0.08																					
Sulphur %	0.01	0.02	0.02	0.02																					
Moisture %	8.00	8.00	9.00	4.00																					
Sizing	Granular size below 10mm for at least 90% of cargo; maximum of 40% below 150 micron			Size below 6.3mm max 15% Size above 31.15mm max 25%	<table border="1"> <thead> <tr> <th colspan="4">Data Exclusions*</th> </tr> <tr> <th></th> <th>62%</th> <th>58%</th> <th>65%</th> </tr> </thead> <tbody> <tr> <td>Port Index</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Seaborne index</td> <td>0</td> <td></td> <td>0</td> </tr> <tr> <td>Lump Index 62.5</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>	Data Exclusions*					62%	58%	65%	Port Index	0	0	0	Seaborne index	0		0	Lump Index 62.5	0		
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	62%	58%	65%																						
Port Index	0	0	0																						
Seaborne index	0		0																						
Lump Index 62.5	0																								
Pricing Point	Qingdao Port (FOT and CFR respectively)			FOT Qingdao Port																					
Timing (Seaborne)	Loading within 4 weeks, Delivery within 8 weeks			Delivery within 2 weeks																					
Payment Terms	L/C at sight			L/C at sight or CAD																					

IRON ORE DOMESTIC CONCENTRATE INDEX CALCULATION METHODOLOGY

The compilation method for price index generally refers to the compilation method of CPI price index and other price indices, breakdown the price data and calculate the average value according to a certain method, taking the vertical axis as the regional composite index (average of different grade index) and the horizontal axis as the grade composite index (average of different regional index), a total composite index for domestic ore can be output ultimately. The process system is also adopted in the calculation i.e. each sub-index can be obtained as well.

AVERAGE IRON ORE SPECIFICATIONS APPLIED FOR BRAND PRICE ASSESSMENTS

PORT STOCK BRANDS						SEABORNE BRANDS					
Jul 12th, 2024	Specifications applied for 62% brand assessments						Specifications applied for 62% brand assessments				
	Fe	Alumina	Silica	Phos	Moisture		Fe	Alumina	Silica	Phos	Moisture
Roy Hill	60.88%	2.35%	4.45%	0.055%	9.26%	Roy Hill	60.70%	2.30%	4.90%	0.055%	8.00%
SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%	SIMEC Fines	60.00%	2.30%	6.30%	0.060%	6.00%
PB Fines	61.64%	2.31%	3.87%	0.099%	9.45%	PB Fines 62%	62.00%	2.60%	4.30%	0.090%	9.50%
Newman Fines	62.49%	2.31%	3.98%	0.090%	7.72%	Newman Fines	62.30%	2.40%	4.30%	0.095%	8.00%
MAC Fines	60.43%	2.38%	4.64%	0.078%	7.57%	MAC Fines	60.80%	2.35%	4.40%	0.075%	7.80%
Jimblebar Blended Fines	60.87%	2.95%	4.53%	0.111%	7.32%	Jimblebar Blended Fines	60.50%	3.10%	4.80%	0.120%	7.80%
Carajas Fines	64.90%	1.39%	1.82%	0.080%	7.78%	Carajas Fines	65.10%	1.50%	1.70%	0.080%	8.50%
Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%	Brazilian SSF	62.00%	1.00%	6.50%	0.040%	6.00%
Brazilian Blend Fines	62.56%	1.58%	4.79%	0.091%	8.72%	Brazilian Blend Fines	63.00%	1.50%	5.00%	0.070%	7.00%
RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%	RTX Fines	61.00%	3.10%	4.50%	0.135%	7.50%
West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%	West Pilbara Fines	60.10%	2.30%	4.70%	0.075%	8.50%
Jul 12th, 2024	Specifications applied for 58% brand assessments										
	Fe	Alumina	Silica	Phos	Moisture						
SSF	56.49%	3.20%	6.19%	0.065%	9.18%						
FMG Blended Fines	58.20%	2.43%	5.54%	0.057%	8.29%						
Robe River	56.44%	3.16%	5.73%	0.042%	8.44%						
Western Fines	57.88%	2.87%	7.50%	0.062%	7.45%						
Atlas Fines	58.00%	1.85%	5.50%	0.090%	9.00%						
Yandi	56.87%	1.58%	6.41%	0.042%	9.53%						

BLOOMBERG TICKERS

PORT STOCK INDICES				SEABORNE INDICES	
	FOT Qingdao (RMB/wet tonne)		CFR Qingdao Equivalent (USD/dry tonne)	CFR Qingdao (USD/DMT)	
IOPI62	IRCNQ001		IRCNQ004	IRCN0034	
IOPI58	IRCNQ002		IRCNQ005	IRCN0035	
IOPI65	IRCNQ003		IRCNQ006		
IOPLI62	IRCN0036		IRCN0037		

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