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MANAGE CHANGE IN ASIA'S DYNAMIC ENERGY MARKETS

Buy and sell with confidence, worldwide

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Product Summaries

ASIA NAPHTHA & LPG REPORT

combines regional news analysis with spot pricing for the connected markets of naphtha, LPG, gasoline and condensate.

GLOBAL LPG TICKER provides realtime LPG pricing for greater visibility into how global markets fit together.

ASIA JET FUEL & GASOIL REPORT

offers expert analysis and benchmark spot prices to help manage hedging strategy and minimize risk.

WORLDWIDE JET FUEL REPORT

delivers daily insight into market trends that enables airlines to purchase fuel at a competitive price.

APAC SOLAR WEEKLY provides reliable pricing and market news on solar materials production in the Asia-Pacific region.

CARBON MARKET REPORT assesses the largest compliance carbon markets in the world with transparent trade-day data.

AUSTRALIAN OIL MARKET

PRICE REPORT publishes landed spot, Singapore spot, TGP and retail petrol and diesel prices and margins in Australia.

GLOBAL MARINE FUELS REPORT

delivers daily price assessments for 0.5% VLSFO and high-sulfur bulk and bunker fuels in the most important ports around the world.

McCLOSKEY supplies detailed price indexes, independent news, robust analysis and strategic forecasting to the global coal, metals and mining industry.

CHEMICAL MARKET ANALYTICS

provides unique access to price benchmarks, market forecasts and advisory services on more than 200 building-block chemicals.



Adapting to uncertainty and risk in Asia-Pacific energy markets demands price transparency and expert insight

Trade wars. Military conflicts. Governmental sanctions. IMO fuel mandates. COVID-19. OPEC output cuts. Energy transition. Global fuel markets face unprecedented disruption, with the Asia-Pacific region playing a central role.

OPIS, a Dow Jones company, provides the essential global perspective for players involved in key Asia-Pacific energy markets. We give you the pricing data and expert insight necessary for more strategic buy & sell decisions on energy commodities trading between this dynamic region and the rest of the world.

OPIS is a trusted price benchmark across international supply chains. We're listed as a settlement mechanism on global commodity exchanges and our pricing methodology complies with IOSCO [International Organization of Securities Commissions] principles. From oil, LPG and coal to solar panel materials and carbon credit offsets, we simplify complex markets, enabling stakeholders to adapt to a shifting geopolitical landscape.

ASIA NAPHTHA & LPG REPORT

A single source for accurate pricing assessments and critical news at major APAC hubs

A daily PDF report gives you a clear explanation of benchmark pricing for petrochemical feedstocks in the Asia-Pacific market. Act fast and inform shortterm position plays with spot pricing for naphtha, LPG, gasoline and condensate.

What You Get:

- Spot differentials measure the value between refined products and predict changing price dynamics
- Charts and graphs reveal price trends at a glance
- Regional news reports on refinery disturbances, tender and shipping allow faster reaction to market shifts

	NAPHTHA						
	East-West spread widens; new shipping fixtures from Europe	Naphtha (\$/mt)	LOW	HGI	MEAN	OLANCE	PREMIDISC
	to Asia seen	CTR Japan	648.50	642.50	649.000	10.500	-1.000
	 HTC buys HFRN for H1 Oct. arrival at a low-teens premium to 	FOB Arab Gulf LR1	568.01	569.01	568,508	10.312	13.000
	Japan spot assessments	Naphtha (\$/bbl)	LOW	NGN	MEAN	OLANGE	PREMIDISC
		FOB Singapore	65.12	66.22	65.173	0.870	-
PIS, A DOW JONES COMPANY ASIA NAPHTHA & LPG RE	LPG						
VAPHTHA	Sonatrach lowers Sept. CP prices after Aramco	LPG (Simt)	LOW	HQI	MEAN	OUNCE	PREMIDISC
	announcement	CTP Japan Propage	654.25	685.25	654 750	1.500	
East-West spread wider, with r	 China Gas completes construction of PDH plant in Taixing 	CFR South China Propane	698.00	622.00	606 500	2 500	-
ixtures from Europe to Asia	 Thailand July demand up 6.3% on-month 	FOB Arab Gulf Propane	638.50	632.50	639.000	1.000	-15.000
Isian naphtha prices rose on Thursday weigh		FOB Arab Gulf Butane	603.50	604.50	604.000	-14.000	-15.000
alues.	GASOLINE						
rude oil prices were lower on Thursday, with November delivery) Brent crude was at \$94.1	 92 RON crack flips to discount Southeast Asia demand softer amid economy slowdown 	FOE Singapore (\$(bbf)	LOW	нан	MEAN		PREMIDISC
November delivery) Brent crude was at \$94.1 iingapore time, down from \$96.21/bbl on We	 Southeast Asia demand softer amid economy slowdown IOCL seeks up to 32 kt of 95 RON for mid-September delivery 	92-RON	93.45	93.58	93.528	-3.880	1.733
		95-RON 97-RON	96.11	96.21	95.161	-4.975	0.767
The refining margin, or crack, improved toda; ω -\$57.125/mt.		97-RON	98.91	99.01	98.961	-4.976	
ront-month (October/November) Japan swa	Market news headlines		_		ORE BREN		
ontango with the spread at \$1.5/mt, indicati	 Japan's ENEOS Shuts Larger of Its Two Naphtha Crackers in Kar 	MON		PRICE		CHANGE	
entiment.	 Japan's ENEOS Shuts Larger of Its Two Naphtha Crackers in Kawasaki Asian Naphtha Struggles Amid Sluggish Petrochemical and Gasoline Demand 				94.15		-3.20
	 China Gas Completes Yanchang PDH Unit Construction(see m 		Dece	mber	92.83		-3.39
n outright discussions, H1 Nov. was bid and (ind \$639/mt respectively. The latest front-mc			Janu	ary	91.55		-3.29
vas wider at \$19.75/mt on Thursday from \$15	Key Prices (\$/mt)						
idicate two more European cargoes are hear			TAB	LE OF CO	NTENTS		
nonth as arbitrage window is open. (See mor	NWE NAPHTHA 621.350	P. 24	Маг	ket Overv			
ixtures).	the second	CER JAPAN PROFANE 604.750	Key	Prices			
fanwhaTotal Petrochemical (HTC) awarded it		CER JAPAN NAPHTHA			mentary, R		
ull range naphtha (HFRN) for H1 Oct. deliver		649.000			tary, Prices wy		
eens to Japan spot assessment, according to		1		itrage Eco			
ast bought HFRN last week at a slight discour			Frei	ght			4
ssessment with 30-day pricing, said sources	Gasoline Commentary, Prices						5
s likely to be of C grade of minimum 30% N+#	MR NON-TET OPDOWNE TO AG PROPANE						6
laohtha crackers in northeast Asia are runnir	513 520 632,000	Sector Contract		oping Fixts nery Main	tenance		
wer margin concerns due to poor downstrea	USG NAPHTHA (40N+A) FOS AG NAPHTHA G14.902 568.508	FOB SING 92R	Cra	cker/PDH	Maintenan	ce	6
lemand. (see more on news)	USG NAPHTHA (PARA) 649.509	(S/bbl) 93.528	Mar	ket News.			7
	U.	FOR SING NAPHTHA (SJNN)					
D DAYS CFR JAPAN NAPHTHA SPREADS (\$/		(5/08) 66.173					
PURTS CER JAPAN NAPH THA SPREADS (\$/							
~	© 2022 Oil Price Information Service, LLC. All rights reserved. 2029 Gaither Road, 5th Floor, R OPIS does not guarantee the accuracy of these prices. Reproduction of this report without pe	ockville, MD 20850-4000. OPIS A	ia Naphtha	and LPG R	eport is pub	lished each	business day.
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Asia Naphtha and LPG Report

**OPIS** 

#### >> VIEW A SAMPLE REPORT

## **GLOBAL LPG TICKER**

#### Real-time pricing for the international LPG market

China is driving LPG demand so the need for price transparency in the global LPG market is greater than ever. This real-time ticker lets you compare pricing in Asia with key hubs around the world including Mont Belvieu, Texas, a key export hub for propane, butane and ethane, where OPIS holds the official pricing benchmark.



## How We Help:

- See pricing relative to Mt. Belvieu across a full trading day
- View live relationships among propane, butane and ethane in all spot markets
- Determine import/export cost-effectiveness with real-time arbitrage
- Convert LPG volumes with a single click

>> START YOUR FREE TRIAL

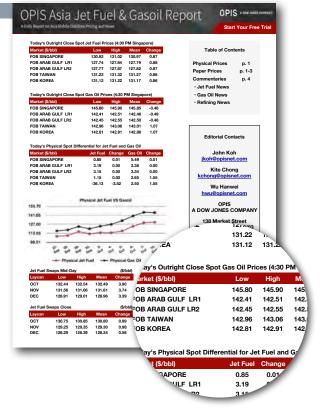
## **ASIA JET FUEL & GASOIL REPORT**

## A single daily index for buying and selling jet fuel and gasoil profitably in Asia

The impact of COVID-19 on jet fuel demand in Asia, and the consequences of the Ukraine invasion by Russia, are shaking oil markets in multiple ways, making OPIS pricing and market commentary must-haves. Manage your hedging strategy and minimize risk with our news, expert analysis and daily benchmark jet fuel and gasoil spot prices.

# What You Get:

- A single daily index referenced for fuel contracts between airlines and suppliers
- Daily pricing and physical spot differentials for jet fuel and gasoil
- Spot differential calculations for FOB Singapore, FOB Taiwan, FOB Korea
- News and expert analysis for placing prices into context and predicting market trends



#### >> VIEW A SAMPLE REPORT

#### **OPIS Worldwide Jet Fuel Report**

369.71 364.23 380.91 374.23 372.73 372.73 372.73 388.23 **374.06** 378.17 377.42 374.09

369.54 374.81 354.98 358.62 348.57 348.05 354.74 369.387 374.654 354.857 358.500 346.452 347.929 354.619

352.35 352.59 352.471

380.410

373.730 372.230 372.230 387.730 373.591 378.021 377.266 373.943

379.91

373.23 371.73 371.73 387.23 387.23 373.12 377.87

369.24 374.50 354.74

>> VIEW A SAMPLE REPORT

Asia Spot Average



356.716 373.518 369.312 366.166 366.166 361.666 361.666 361.666 361.103 366.103 364.428 361.103 355.552 **361.814** 335.524 335.524 335.524 335.524

332.309

-8.510 -8.782 0.227 1.888 1.888

1.888 2.238 1.560 12.833 13.310 12.976 12.571 12.833

338.270 338.843 358.843 354.343 342.206 337.462 337.131 333.807

327.422 327.422 327.422 327.422 327.422 310 '22 310 '22 317 '22 30 T '22

OPIS .

25.950

, (cts/gal)

High 369.71

369.71 364.23 380.91 374.23

372.73 372.73

372.73 388.23 374.06 378.17

377.42

374.09

369.54

374.81

348.05

354.74 352.59

369 210

369.210 363.980

380.410 373.730

372.230 372.230

373.591 378.021

377.266

373.943

369.387

374.654

354.857

358.500

346.452 12.97

347.929

354.619

-8.782

1.888 1.888

2.238

1.560

12.833

13.310

12.571 327.

12.833 12.905

365.17

373.518

366.195 366.193

364,426

361,103

355.532

361.814

335.124

337.64

^{388,230} ^{401,7} Low ^{40°} 368.71

368.7 363.7

363.73 379.91 373.23 371.73 371.73 387.23 387.23 373.12 377.87

377.11

373.79

374.50

354.74 354.98

346.33 347.81

358.38 358.62 346.57

## WORLDWIDE JET FUEL REPORT

#### Track gasoline and diesel price fluctuations on the cost of jet fuel

Receive unique transparency into delivered spot prices and fuel costs at top airports, including 40 key U.S. locations. Know fuel values before negotiating contracts. Learn biofuel availability and the outlook for CORSIA requirements.

## What You Get:

- 30-day average prices for Asia, Europe and the U.S.
- A price table providing a single view of trends in Asia, Europe and the U.S.
- News and analysis of the factors moving the jet fuel market, including regulatory updates

## APAC SOLAR WEEKLY

## The first and only IOSCO-compliant solar panel and polysilicon pricing

From upstream polysilicon, wafers and cells to downstream panel prices, stay on top of price trends and forward prices for solar materials with the first report to use an assessment methodology that follows IOSCO (International Organization of Securities Commissions) requirements for fair and transparent pricing. Receive a weekly PDF with polysilicon, wafer, cell and module price assessments, historical price data and expert insight to put it all in context.

## OPIS APAC SOLAR WEEKLY

PLM**-Polysilicon Marker	37.675	USD/kg			
Price change WoW	0	0%	+	+ SPOT PRICING & INDEX P	1
Price change (arrow 6 Jan 2022)	9.775	35.038%	*	+ POLYSILICON Forward Pricing	2
Average Mono grade in China	319.00	RMB/kg			
Dice change WollV	0	0%		WAFER Historical Pricing	3
Price change (since 6 Jan 2022)	75.000	31.915%		CEU Historical Pricing	NS .
Average Multi grade in China	172.000	RMD/kg			
Price change WoW	0	0%	~	MODULE Forward Pricing	5
Price change (since 6 Jan 2022)	72.000	72.000%	6	+ MODULE Historical Pricine	6
CMM*-Chinese Module Marker	0.268	USDINP		and been considered and the second	
Price change WolW	0	0%	~	+ PLM and CMM Historical Graphs F	7
Price change (whice 6 Jun 2022)	0.016	6.340%	4		
"Average price of Non-Chinese poly volumes not subjected to the Chinese "Average Price of Malti and Mono weightage based on multi and mono in	AD) Ferc modules (	nices FOB C	mina 120 80		
Spot & Forward Pr		1984			

# What You Get:

- Spot and forward prices and key benchmarks for polysilicon, wafers, cells and panels
- Solar Modules Forward Curves, including FOB China, FOB Southeast Asia and DDP USA module prices
- Chinese Modules Marker: an index for FOB China modules price, the weighted average of multi and mono PERC panels, on an FOB China basis

#### >> <u>START</u> YOUR FREE TRIAL

#### OPIS Carbon Market Report

## **CARBON MARKET REPORT**

# Pricing data, benchmarks and insights on the global carbon market

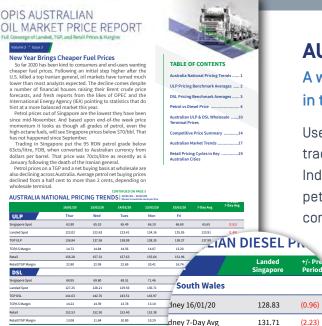
As the world transitions to sustainable energy, OPIS remains at the forefront with comprehensive data and analytics on compliance and voluntary carbon markets across the globe. In a single daily report, you gain access to more than 100 carbon and emissions market assessments.

## What You Get:

- Daily market commentary for the benchmark Carbon Emission Allowance (CEA) price settlement on the Shanghai Environment and Energy Exchange
- Extensive coverage of the most important developments in the APAC region's fast-growing carbon markets and climate programs
- Updates on programs and policies in such key countries as Australia, New Zealand, South Korea, China, Japan, Malaysia and Singapore, with analysis of their linkage to the international voluntary market



#### >> VIEW A SAMPLE REPORT



vcastle 16/01/20

astle 7-Day Avg

n Territory

/20

127.93

130.81

126.31

(0.96)

(2.15)

## **AUSTRALIAN OIL MARKET PRICE REPORT**

### A weekly overview of fuel pricing and margin trends in the Australian retail market

Use this report to estimate the cost of refined oil products, track average petrol and diesel prices and measure margins. Independent benchmarks empower you to negotiate better petrol and diesel prices with greater transparency into competitive market trends both in Australia and around world.

## What You Get:

- Landed spot prices into Australian terminals for benchmarking
- FOB spot Singapore prices highlight foundational dynamics

OPIS

Retail station prices and supplier-specific wholesale prices by product and brand

**Global Marine Fuels Report** 

## **GLOBAL MARINE FUELS**

>> VIEW A SAMPLE REPORT

ULP

DSL

#### Monitor key bunker fuel prices and global shipping markets in today's evolving IMO world

VLFS0 (very low sulfur fuel oil) supply is a primary concern for Asian refiners due to the IMO (International Maritime Organization) mandate for cleaner fuel. This report provides daily price benchmarks to help negotiate cost-effective and compliant contracts. Ship owners and other players learn the true transactional value of bulk and bunker fuels at the port.

# What You Get:

- Daily assessed price for 0.5% VLFSO plus key marine fuel prices in major ports of Asia, Europe and the Americas
- The only report to combine global coverage of marine fuel prices with benchmarked diesel rack and spot prices, swaps and curbs for smart hedging
- Full-day assessments that give you maximum transparency and reliability



#### >> START YOUR FREE TRIAL

# McCLOSKEY

#### BY OPIS, A DOW JONES COMPANY

Trusted price discovery, market news, and research solutions for global coal, metals and mining industries

Stay up-to-date on the markets with time-sensitive intelligence and in-depth regional reports and global summaries. Regional commentary and price markers inform your trading and investment decisions. Access coal production, consumption, import and export data to identify impacts on global freight and power costs.

## Our APAC and Africa, Greater China and Steel Raw Materials services include these key reports:

- China Coal Daily
- China Coal Monthly
- Indian Coal Report
- Australian Coal Report
- Southern African Coal & Metals Report
- Inside Coal & Steel Raw Materials
- Coal Price Indices for Australia, China, Indonesia and India



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Understand market trends, spot investment opportunities and mitigate risk in the APAC region.

# CHEMICAL MARKET ANALYTICS

BY OPIS, A DOW JONES COMPANY

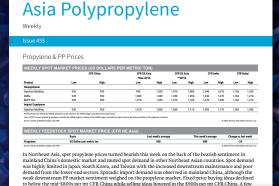
## The chemical industry's most trusted source of intelligence to guide decisions and manage risk, worldwide

Chemical Market Analytics supports strategic planning across all major petrochemical value chains with spot price discovery, commercial insights on supply & demand, short-and longterm market forecasts and consultation with the industry's leading experts. We also organize the market's most anticipated educational events across the globe, including Asia Chemical Forum and World Chemical Forum.

## Our World Analysis Service and Market Advisory Service offer regional APAC reports for these chemicals:

- Olefins & Elastomers
   Plastics & Polymers
- Polyethylene, Polypropylene
   & Polyurethane Feedstocks







Polystyrene & Styrene





OPIS, a Dow Jones company, provides price transparency across the global fuel supply chain, enabling stakeholders to buy and sell energy commodities with confidence.

We do this via multi-platform access to accurate data, real-time news, powerful software and educational events. OPIS brands include Chemical Market Analytics, PetroChem Wire, McCloskey and Axxis.

Our commitment to reliability is reinforced by personalized customer service and constant innovation. OPIS listens to what energy stakeholders need and responds with flexible and easy-to-use products. Navigating world fuel markets is complex – OPIS makes it simpler.



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