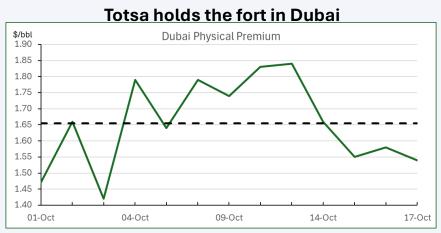
The **Officials** The Benchmark Publication

Asia Edition (09:30 BST) 17-October-2024, Volume 1, Issue 97 (Asia)



The window was ram-packed with 'sells to Totsa' as bids were whacked almost as soon as they hit the table. The French major seems to be trying to defend a tired-looking physical premium which has declined from the \$1.80s to \$1.54 today. It reminded us of the Maginot line for those WW2 history buffs. We know what happened there. Totsa stepped on the gas and got hit for partial after partial, while Mitsui threw their hat in alongside the indefatigable French. At least someone in France has some money, even if the government doesn't. Dear trader in Asia, look at Europe. It doesn't look good.

Exxon kept on selling – they just can't whack the buyers fast enough! Looking at the physical premium, it looks like that sales frenzy is paying off. As usual, the sellside was more fragmented than the buyside; the familiar faces of Trafi and Shell were present, but Repsol made an appearance, as did Reliance and Phillips. Vitol tried to bag a bargain, bidding \$74.00 but nobody was tempted. We got a couple of convergences in the window today: Hengli declared an Upper Zakum to Mitsui and Exxon declared one of the same to Totsa. We're believers in the free market sorting out values between buyers and sellers. But we also know technicalities get in the way of theory and loopholes may exist, potentially leading to wonky benchmarks. Therein lies the problem; the lack of attention on the outcomes surely lies on the publisher. Who else?

We, The Officials, like to probe when benchmark conditions lead to excesses, as evidenced by disconnected differentials zooming up when fundamentals are down or cratering when similar futures benchmarks are holding up, as has been the case with Brent. We welcome contributions and comments if we miss anything. Perhaps one should question if the methods in the construction could lead to dislocation. One should further question if subscription costs to price assessments are conducted on the basis of discriminatory pricing. This query extends to onboarding systems, which could be misused to prevent participation by market sellers and buyers, which would also part and parcel of the problem. The latter is of humongous importance to the market at large because preventing participation by preventing participation of entities that counter market excesses. Publishers need to think really hard about what they are doing and the risk to markets and to themselves.

Summary	[
Physical and Futures		17-0ct-24	1-Day Change	7-Day Change
Brent Dec (fut)	(\$/bbl)	74.440	+0.270	-2.880
WTI Dec (fut)	(\$/bbl)	70.040	+0.090	-3.280
Dubai Dec (phys)	(\$/bbl)	74.070	+0.080	-3.070
OBI Continuous	(\$/bbl)	74.440	+0.270	-2.880
Crude Swaps Nov				
Brent	(\$/bbl)	73.990	+0.200	-2.830
DFL	(\$/bbl)	0.210	+0.130	+0.070
WTI	(\$/bbl)	69.940	+0.080	-3.220
Dubai	(\$/bbl)	72.990	+0.120	-2.890
Tenor		Dec-24	Jan-25	Feb-25
Crude Futures				
Brent (fut)	(\$/bbl)	74.440	73.990	73.600
WTI (fut)	(\$/bbl)	70.040	69.620	69.270



The Benchmark Publication



In detail

Again, Brent futures outperformed their benchmark pals (just don't look at the North Sea physicals where yesterday differentials plunged to flat!), gaining 27c/bbl to close at \$74.44/bbl, including a climb leading into the window. Dubai moved even more slowly than that, moving upwards by a meagre 8c/bbl to \$74.07/bbl. Consequently, Brent has opened up its premium over Dubai again, which reached 37c, up from 18c yesterday. Dubai's structure remained strongly backwardated, as the physical premium remained above \$1.50 – thanks Totsa! And we don't forget Vitol and Mitsui's contributions! Thank you everybody for creating disconnects from the fundamentals.

China has announced that it is doubling its "whitelist" loans to 4 trillion yuan (\$561 billion). These loans are extended to property developers and aim to ensuring project completion and successful delivery of pre-sold units. This will support one aspect of China's creaking housing market (sold but unfinished homes). According to Nomura, China's already sold, but unbuilt, homes comprise about 48 million units in total, and the bank estimates that resolving this issue would require about 3 trillion yuan of direct funding from the government. Just \$421 billion in USD! It is only money! But the greedy markets want more, loads more.

Traders and analysts were largely disappointed the Chinese government didn't go all guns blazing on special bond issuances for purchasing unsold, but finished, units. Yes, believe it or not, China has been hit with the double whammy. This whole debacle hasn't helped real estate stocks, which got yet another battering today. The real estate subindex of the CSI300 is down 7.85% today, compared to the 1.59% fall of the overall CSI300 index. In terms of the individual big losers: Sunac is down over 25%, Longfor Group dropped more than 13% and Vanke fell 17%. That press conference from the Housing Ministry really failed to instil investors with confidence.

Along with the bad news from China, we got more weak data from Japan today. Total exports shrank by 1.7% in September against the same time last year, the first decrease since November 2023, and the steepest decline since 2021. Surprise, surprise, this was led by a 7.5% decline in transport equipment, including a 9.2% decline in motor vehicles y/y. We did say that Japan's automotive sector was being battered as Chinese EV competition annihilates gasoline's market share. We say, OPEC wake up with your bullish forecasts. They are wrong.

Also, as industrial sectors across the world face ever stiffer headwinds, machinery exports from Japan shrank by 3.3%. Read The Officials Asia 1.95 edition for more doom and gloom on Japanese industrial production. Contraction in global appetite for Japanese goods was broad based across economies. Unsurprisingly, Japanese exports to China slumped, falling 7.3% y/y, driven by weak consumer demand in China and the proliferation of better priced alternatives in Chinese markets. But exports also fell elsewhere; US (-2.4%), Thailand (-8.6%), and the EU (-9%). The anomaly were the exports to Russia, which jumped 98.5%. We wonder what they're preparing for... four more years of the Trump show perhaps?

Remember that Japan is a net importer of crude: according to the Ministry of Economy, Trade and Industry, Japan imported over 11 million litres of crude in August, compared to domestic production of just 26,000 litres. Elevated dollar cross volatility to the downside could have dramatic repercussions for Japan's oil industry. Given the USD has strengthened 4% against the yen in October so far, Japan's crude imports might be feeling the burn.

The fact that Japan, and other manufacturing powerhouses like Germany, are in such industrial disarray suggests global demand for finished goods is awful, frankly. This will also have a knock-on effect as there will be less demand for freight to move stuff around, and less raw material demand to make the stuff in the first place. That means the outlook for fuel oil, petchems, natural gas and diesel will likely continue to deteriorate, without even considering the shift to renewables and decarbonization. The demand outlook for hydrocarbons is bleak across the barrel.

One potential saving grace from the energy perspective, however, are booming data centres. Chip maker TSMC reported record Q3 profits today, up around 54% y/y. But these big data centres are bringing their energy supply chains in house: Amazon Web Services just invested over \$500m to develop small modular nuclear reactors. They don't like sharing.

Jorge Montepeque:

018

Will Cunliffe:

ALC.

Ed Hayden-Briffett:

Managing Director for Benchmarking

Research Analyst

Research Analyst

jmontepeque@onyxcapitalgroup.com wcunliffe@onyxcapitaladvisory.com ehayden-briffett@onyxcapitaladvisory.com



Contact us Tel: +44 203 981 2790



Front Month Outrig	hts			
November Swaps		17-0ct-24	1-Day Change	7-Day Change
Crude				
Brent	(\$/bbl)	73.990	+0.200	-2.830
WTI	(\$/bbl)	69.940	+0.080	-3.220
Dubai	(\$/bbl)	72.990	+0.120	-2.890
Distillates				
Gasoil 0.1 NWE	(\$/mt)	658.330	-2.000	-34.750
NWE Jet	(\$/mt)	703.580	+0.000	-30.250
Singapore 10ppm	(\$/bbl)	85.450	+0.000	-4.260
Sing Kero	(\$/bbl)	85.950	+0.300	-3.560
Gasoline				
RBOB	(c/gal)	201.020	+0.320	-5.120
EBOB	(\$/mt)	686.500	+0.070	-18.080
Singapore 92	(\$/bbl)	79.080	+0.680	-3.100
Singapore 95	(\$/bbl)	84.210	+0.700	-2.570
Naphtha				
US C5 ENT	(c/gal)	148.530	-0.080	-6.860
NWE Naphtha	(\$/mt)	636.880	-1.070	-24.570
MOPJ Naphtha	(\$/mt)	658.470	-0.230	-25.230
Fuel Oil				
3.5% barges	(\$/mt)	419.540	-0.700	-22.550
Singapore 380	(\$/mt)	426.290	+1.800	-10.550
Singapore 180	(\$/mt)	441.040	+2.050	-8.050
0.5% barges	(\$/mt)	502.410	-0.380	-15.240
Singapore 0.5%	(\$/mt)	550.990	-1.210	-17.140
NGLS				
US Propane LST	(c/gal)	75.276	+1.361	-4.674
NWE Propane	(\$/mt)	587.690	+2.640	-16.850
Saudi Propane CP	(\$/mt)	625.190	-0.360	-11.350
Asian Propane FEI	(\$/mt)	659.140	+3.090	-19.400
US Butane ENT	(c/gal)	110.270	-0.640	-3.180
Saudi Butane CP	(\$/mt)	617.140	+1.590	-9.400





Long Tenor S	Swaps							
	- - -	Balmo	Nov-24	Dec-24	Jan-25	Feb-25	Q1-25	Q2-25
Crude								
Brent	(\$/bbl)	74.410	73.990	73.580	73.310	73.080	73.093	72.537
WTI	(\$/bbl)	70.270	69.940	69.530	69.190	68.930	68.937	68.270
Dubai	(\$/bbl)	74.090	72.990	72.530	72.170	71.910	71.947	71.483
Distillates								
Gasoil 0.1 NWE	(\$/mt)	659.000	658.330	658.620	660.450	661.650	661.143	660.430
NWE Jet	(\$/mt)	699.250	703.580	705.620	708.950	710.150	709.810	711.013
Singapore 10ppm	(\$/bbl)	85.850	85.450	85.160	85.250	85.450	85.437	85.870
Sing Kero	(\$/bbl)	86.000	85.950	85.550	85.410	85.360	85.380	85.450
Gasoline								
RBOB	(c/gal)	204.580	201.020	199.120	199.380	200.760	206.120	216.467
EBOB	(\$/mt)	710.500	686.500	666.500	663.750	665.500	666.417	704.167
Singapore 92	(\$/bbl)	79.080	79.080	78.890	78.840	79.020	79.030	78.793
Singapore 95	(\$/bbl)	82.710	84.210	83.270	82.570	82.700	82.760	82.540
Naphtha								
US C5 ENT	(c/gal)	148.030	148.530	148.780	149.530	148.910	148.700	144.077
NWE Naphtha	(\$/mt)	638.880	636.880	632.880	628.880	623.630	623.630	609.047
MOP-Japan Naphtha	(\$/mt)	661.470	658.470	653.720	648.470	642.720	642.720	626.637
Fuel Oil								
3.5% barges	(\$/mt)	438.790	419.540	406.540	401.040	398.290	399.123	397.623
Singapore 380	(\$/mt)	433.540	426.290	416.540	409.890	406.140	407.390	405.223
Singapore 180	(\$/mt)	448.540	441.040	428.040	421.390	417.640	418.973	417.723
0.5% barges	(\$/mt)	516.410	502.410	493.660	488.910	485.160	485.410	476.910
Singapore 0.5%	(\$/mt)	561.240	550.990	541.490	534.740	529.740	530.073	518.240
NGLS								
US Propane LST	(c/gal)	71.276	75.276	76.651	77.651	77.276	76.651	71.984
NWE Propane	(\$/mt)	594.690	587.690	578.690	565.690	552.190	548.857	494.857
Saudi Propane CP	(\$/mt)	625.190	625.190	619.690	613.690	605.690	603.023	543.023
Asian Propane FEI	(\$/mt)	663.140	659.140	652.640	642.140	627.140	624.140	566.307
US Butane ENT	(c/gal)	114.270	110.270	107.390	104.640	101.640	100.433	89.400
Saudi Butane CP	(\$/mt)	617.140	617.140	614.140	610.140	607.140	602.307	549.307





Front Month Sp	reads			
Nov/Dec		17-0ct-24	1-Day Change	7-Day Change
Crude				
Brent	(\$/bbl)	0.410	+0.080	-0.040
WTI	(\$/bbl)	0.410	+0.030	-0.140
Dubai	(\$/bbl)	0.460	+0.000	-0.080
Distillates				
Gasoil 0.1 NWE	(\$/mt)	-0.290	-0.160	-1.180
NWE Jet	(\$/mt)	-2.040	+1.090	+0.820
Singapore 10ppm	(\$/bbl)	0.290	+0.110	+0.050
Sing Kero	(\$/bbl)	0.400	+0.250	+0.500
Gasoline				
RBOB	(c/gal)	1.900	-0.050	+0.600
EBOB	(\$/mt)	20.000	-1.500	+2.250
Singapore 92	(\$/bbl)	0.190	+0.190	-0.210
Singapore 95	(\$/bbl)	0.940	+0.190	+0.040
Naphtha				
US C5 ENT	(c/gal)	-0.250	+0.000	+0.000
NWE Naphtha	(\$/mt)	4.000	-1.000	-1.000
MOP-Japan Naphtha	(\$/mt)	4.750	-0.250	-1.250
Fuel Oil				
3.5% barges	(\$/mt)	13.000	-0.750	-4.750
Singapore 380	(\$/mt)	9.750	+0.250	+2.500
Singapore 180	(\$/mt)	13.000	+0.500	+5.000
0.5% barges	(\$/mt)	8.750	-0.250	+0.500
Singapore 0.5%	(\$/mt)	9.500	-0.250	+0.000
NGLS				
US Propane LST	(c/gal)	-1.375	+0.500	-0.625
NWE Propane	(\$/mt)	9.000	+0.500	+0.500
Saudi Propane CP	(\$/mt)	5.500	+1.500	+4.500
Asian Propane FEI	(\$/mt)	6.500	+1.000	+0.000
US Butane ENT	(c/gal)	2.880	-0.120	-0.620
Saudi Butane CP	(\$/mt)	3.000	+0.000	+0.000





Front Month Cracks and Diffs			
November	17-0ct-24	1-Day Change	7-Day Change
Crude			
Brent/Dubai (\$/bbl)	1.000	+0.090	+0.060
WTI/Brent (\$/bbl)	-4.050	-0.110	-0.380
Distillates			
Gasoil 0.1 NWE crack (\$/bbl)	14.390	-0.430	-1.800
NWE Jet crack (\$/bbl)	15.310	-0.170	-0.960
NWE Jet Diff (\$/mt)	45.250	+2.000	+4.500
Gasoil E/W (\$/bbl)	-21.750	+2.000	+3.000
Regrade (Sing Kero vs Sing 10ppm) (\$/bbl)	0.500	+0.300	+0.700
Gasoline			
TA Arb (RBOB vs EBOB)(c/gal)	4.800	+0.350	+0.050
EBOB crack (\$/bbl)	8.430	-0.210	+0.670
Singapore 92 crack (\$/bbl)	5.100	+0.460	-0.270
Gasoline E/W (Sing 92 vs EBOB) (\$/bbl)	-3.330	+0.670	-0.930
European Gasnaph (EBOB vs Naphtha) (\$/mt)	49.420	+1.040	+6.300
Asian Gasnaph (Sing 92 vs MOPJ) (\$/mt)	0.180	+5.910	-0.690
Naphtha			
US C5 ENT vs WTI Crack	-7.530	-0.130	+0.370
NWE Naphtha Crack (\$/bbl)	-2.400	-0.320	+0.100
MOPJ Naphtha Crack (\$/bbl)	0.010	-0.240	+0.010
Naphtha E/W (NWE vs MOPJ) (\$/mt)	21.500	+0.750	-0.750
Fuel Oil			
3.5% barges crack (\$/bbl)	-7.900	-0.300	-0.700
Singapore 380 crack (\$/bbl)	-6.850	+0.080	+1.180
Singapore 180 crack (\$/bbl)	-4.520	+0.130	+1.580
Visco (180-380) (\$/mt)	14.750	+0.250	+2.500
HSFO E/W (380 vs 3.5% barges) (\$/mt)	6.750	+2.500	+12.000
0.5% barges crack (\$/bbl)	5.150	-0.250	+0.450
Singapore 0.5% crack (\$/bbl)	12.800	-0.380	+0.150
VLSFO E/W (Sing 0.5% vs 0.5% barges) (\$/mt)	48.580	-0.820	-1.900
European Hi5 (0.5% barges vs 3.5% barges) (\$/mt)	82.870	+0.320	+7.300
Asian Hi5 (Sing 0.5% vs 380) (\$/mt)	124.700	-3.000	-6.600
0.5% barges/gasoil (\$/mt)	-155.850	+1.690	+19.540
Sing 0.5% vs Sing 10ppm (\$/mt)	-85.550	-1.150	+14.600
NGLS			
US Propane LST vs NWE Propane (\$/mt)	-195.500	+4.500	-7.500
US Propane LST vs Asian Propane FEI (\$/mt)	-267.000	+4.000	-5.000
Asian Propane FEI vs NWE Propane (\$/mt)	71.500	+0.500	-2.500
Asian Propane FEI vs Saudi Propane CP (\$/mt)	34.000	+3.500	-8.000
European Pronap (NWE Propane vs NWE Naphtha) (\$/mt)	-49.280	+3.840	+7.810
Asian Pronap (FEI vs MOPJ) (\$/mt)	-33.370	+0.000	+13.970





Long Tenor Cracks / Diffs

	Balmo	Nov-24	Dec-24	Jan-25	Feb-25	Q1-25	Q2-25
Crude							
Brent/Dubai (\$/bbl)	0.330	1.000	1.060	1.140	1.180	1.153	1.063
WTI/Brent (\$/bbl)	-4.140	-4.050	-4.060	-4.130	-4.160	-4.163	-4.263
Distillates							
Gasoil 0.1 NWE crack (\$/bbl)	14.00	14.39	14.85	15.33	15.70	15.63	16.10
NWE Jet crack (\$/bbl)	14.28	15.31	15.99	16.65	17.01	16.97	17.70
NWE Jet Diff (\$/mt)	40.25	45.25	47.00	48.50	48.50	48.67	50.58
Gasoil E/W (\$/bbl)	-18.92	-21.75	-24.12	-25.33	-25.03	-24.63	-20.71
Regrade (Sing Kero vs Sing 10ppm) (\$/bbl)	0.15	0.50	0.39	0.16	-0.09	-0.06	-0.42
Gasoline							
TA Arb (RBOB vs EBOB)(c/gal)	1.520	4.800	8.610	9.640	10.530	15.623	15.190
EBOB crack (\$/bbl)	10.880	8.430	6.440	6.370	6.810	6.910	12.003
Singapore 92 crack (\$/bbl)	4.680	5.100	5.320	5.530	5.940	5.940	6.263
Gasoline E/W (Sing 92 vs EBOB) (\$/bbl)	-6.220	-3.330	-1.120	-0.840	-0.870	-0.970	-5.737
European Gasnaph (EBOB vs Naphtha) (\$/mt)	71.420	49.420	33.420	34.670	41.670	42.587	94.920
Asian Gasnaph (Sing 92 vs MOPJ) (\$/mt)	-2.820	0.180	3.350	8.180	15.430	15.513	29.630
Naphtha							
US C5 ENT vs WTI Crack	-8.070	-7.530	-7.010	-6.360	-6.360	-6.457	-7.733
NWE Naphtha Crack (\$/bbl)	-2.610	-2.400	-2.440	-2.620	-2.990	-2.997	-4.073
MOPJ Naphtha Crack (\$/bbl)	-0.080	0.010	-0.110	-0.430	-0.850	-0.860	-2.107
Naphtha E/W (NWE vs MOPJ) (\$/mt)	22.500	21.500	20.750	19.500	19.000	19.000	17.500
Fuel Oil							
3.5% bgs crack (\$/bbl)	-5.300	-7.900	-9.540	-10.130	-10.350	-10.223	-9.897
Singapore 380 crack (\$/bbl)	-6.120	-6.850	-7.960	-8.740	-9.110	-8.920	-8.697
Singapore 180 crack (\$/bbl)	-3.760	-4.520	-6.150	-6.930	-7.300	-7.097	-6.730
Visco (180-380) (\$/mt)	15.000	14.750	11.500	11.500	11.500	11.583	12.500
HSFO E/W (380 vs 3.5% bgs) (\$/mt)	-5.250	6.750	10.000	8.850	7.850	8.267	7.600
0.5% bgs crack (\$/bbl)	6.930	5.150	4.180	3.700	3.330	3.363	2.590
Singapore 0.5% crack (\$/bbl)	13.980	12.800	11.710	10.920	10.350	10.397	9.097
VLSFO E/W (Sing 0.5% vs 0.5% bgs) (\$/mt)	44.830	48.580	47.830	45.830	44.580	44.663	41.330
European Hi5 (0.5% bgs vs 3.5% bgs) (\$/mt)	77.620	82.870	87.120	87.870	86.870	86.287	79.287
Asian Hi5 (Sing 0.5% vs 380) (\$/mt)	127.700	124.700	124.950	124.850	123.600	122.683	113.017
0.5% bgs/gasoil (\$/mt)	-142.020	-155.850	-164.980	-171.290	-176.360	-175.500	-183.380
Sing 0.5% vs Sing 10ppm (\$/mt)	-78.280	-85.550	-92.890	-100.390	-106.800	-106.393	-121.430
NGLS							
US Propane LST vs NWE Propane (\$/mt)	-223.34	-195.5	-179.34	-161.13	-149.58	-149.503	-119.82
US Propane LST vs Asian Propane FEI (\$/mt)	-291.84	-267	-253.34	-237.63	-224.58	-224.837	-191.32
Asian Propane FEI vs NWE Propane (\$/mt)	68.5	71.5	74	76.5	75	75.333	71.5
Asian Propane FEI vs Saudi Propane CP (\$/mt)	38	34	33	28.5	21.5	21.167	23.333
European Pronap (\$/mt)	-44.37	-49.28	-54.37	-63.37	-71.62	-74.923	-114.37
Asian Pronap (FEI vs MOPJ) (\$/mt)	-36.37	-33.37	-34.12	-34.87	-37.12	-39.787	-83.703



The Benchmark Publication



Inter-month Crack Spreads			
Nov/Dec	17-0ct-24	1-Day Change	7-Day Change
Crude			
Brent/Dubai (\$/bbl)	-0.060	+0.060	+0.030
WTI/Brent (\$/bbl)	0.010	-0.030	-0.080
Distillates			
Gasoil 0.1 NWE crack (\$/bbl)	-0.460	-0.070	-0.100
NWE Jet crack (\$/bbl)	-0.680	+0.080	+0.180
NWE Jet Diff (\$/mt)	-1.750	+1.250	+2.000
Gasoil E/W (\$/bbl)	2.370	+0.640	+1.300
Regrade (Sing Kero vs Sing 10ppm) (\$/bbl)	0.110	+0.140	+0.450
Gasoline			
TA Arb (RBOB vs EBOB)(c/gal)	-3.810	+0.390	-0.050
EBOB crack (\$/bbl)	1.990	-0.260	+0.310
Singapore 92 crack (\$/bbl)	-0.220	+0.120	-0.180
Gasoline E/W (Sing 92 vs EBOB) (\$/bbl)	-2.210	+0.370	-0.480
European Gasnaph (EBOB vs Naphtha) (\$/mt)	16.000	-0.500	+3.250
Asian Gasnaph (Sing 92 vs MOPJ) (\$/mt)	-3.170	+1.830	-0.510
Naphtha			
US C5 ENT vs WTI Crack	-0.520	-0.050	+0.130
NWE Naphtha Crack (\$/bbl)	0.040	-0.180	-0.080
MOPJ Naphtha Crack (\$/bbl)	0.120	-0.100	-0.110
Naphtha E/W (NWE vs MOPJ) (\$/mt)	0.750	+0.750	-0.250
Fuel Oil			
3.5% barges crack (\$/bbl)	1.640	-0.190	-0.720
Singapore 380 crack (\$/bbl)	1.110	-0.050	+0.410
Singapore 180 crack (\$/bbl)	1.630	+0.000	+0.810
Visco (180-380) (\$/mt)	3.250	+0.250	+2.500
HSFO E/W (380 vs 3.5% barges) (\$/mt)	-3.250	+1.000	+7.250
0.5% barges crack (\$/bbl)	0.970	-0.110	+0.120
Singapore 0.5% crack (\$/bbl)	1.090	-0.100	+0.040
VLSFO E/W (Sing 0.5% vs 0.5% barges) (\$/mt)	0.750	+0.000	-0.500
European Hi5 (0.5% barges vs 3.5% barges) (\$/mt)	-4.250	+0.500	+5.250
Asian Hi5 (Sing 0.5% vs 380) (\$/mt)	-0.250	-0.500	-2.500
0.5% barges/gasoil (\$/mt)	9.130	+0.000	+1.700
Sing 0.5% vs Sing 10ppm (\$/mt)	7.340	-1.070	-0.380
NGLs			
US Propane LST vs NWE Propane (\$/mt)	-16.160	+2.110	-3.750
US Propane LST vs Asian Propane FEI (\$/mt)	-13.660	+1.610	-3.250
Asian Propane FEI vs NWE Propane (\$/mt)	-2.500	+0.500	-0.500
Asian Propane FEI vs Saudi Propane CP (\$/mt)	1.000	-0.500	-4.500
European Pronap (NWE Propane vs NWE Naphtha) (\$/mt)	5.090	+1.590	+1.590

