

ASIA

- Formosa Petrochemical issues pyrolysis fuel oil tender
- PRefChem refinery exports VLSFO
- China may have issued a 15 million mt of refined products export quota

EUROPE

- Hi-5 spread narrows
- European bunker values move higher
- ARA fuel oil stocks increase by 30,000 bbls week on week

AMERICAS

- Gulf Coast bulk VLSFO talked at November ICE Brent plus \$4.50/bbl fob Houston
- Pacific Northwest MGO soars on anticipated Olympic Pipeline maintenance
- U.S. residual fuel oil stocks build to 47-week high as demand plummets

SINGAPORE BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	944.75	945.25	945.000	27.000
0.5% VLSFO	694.75	695.25	695.000	3.000
HS 380 CST	399.75	400.25	400.000	4.000

ROTTERDAM BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
DMA	1027.00	1031.00	1029.000	57.000
0.5% VLSFO	672.00	676.00	674.000	13.000
HS 380 CST	443.00	447.00	445.000	9.000

HOUSTON BUNKERS (\$/mt ex-wharf)

PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	975.00	985.00	980.000	-10.000
0.5% VLSFO	-392.15	649.00	653.00	651.000	0.000
HS 380 CST	---	440.00	444.00	442.000	-10.000

* Diff to Front Month NYMEX ULSD Futures Price as Displayed on Page 8

0.5% Very Low Sulfur Fuel Oil (\$/mt)

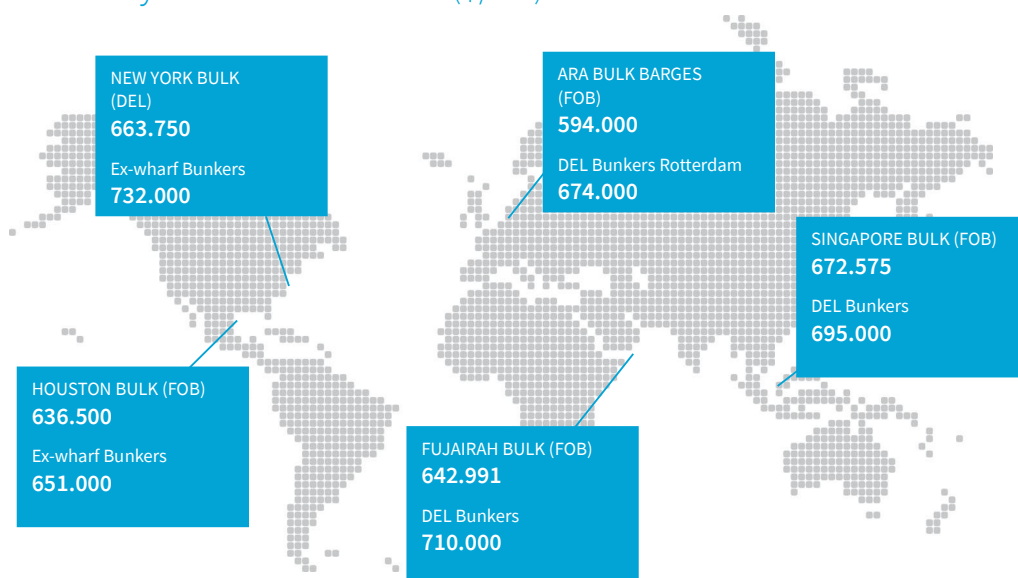


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ASIA

Formosa Petrochemical offers PFO

Formosa Petrochemical issued a tender to export 10,000mt 35 CST 0.15% sulfur pyrolysis fuel oil (PFO). The tender closes on Sep 21 with loading from Mailiao on Oct 6-8.

Petco, the marketing unit of Petronas could be exported 0.8% very-low-sulfur fuel oil (VLSFO) from its 300,000 b/d PRefChem refinery in Pengerang. Petco could have sold an 8,000mt VLSFO for end September loading with another 2 parcels of 8,000mt each of 0.8% VLSFO directly from Pengerang, loading on Oct 15 and 29 Oct. Another 55,000 bbl of slurry will be exported from Pengerang on Sep 27-28.

While, Hindustan Petroleum Corp. issued a tender to export 16,500mt 320-360 CST 3.1-3.4% high-sulfur fuel oil (HSFO) and 9,500mt 320-360 CST 2.7-3.2% HSFO of marine fuel specifications from Vizag. The tender closes on Sep 22 with loading from Oct 4-6.

In China, another batch of refined product export quota amounting to 15 million mt could have been issued, which also includes fuel oil, said traders. But the latest quota is likely to be used for gasoline and gasoil exports, they added. Earlier in September, 2.75 million mt of low-sulfur fuel oil (LSFO) export quota was issued to several Chinese refiners, which are used for bonded bunkering in Chinese ports.

SINGAPORE BULK FUEL (FOB)

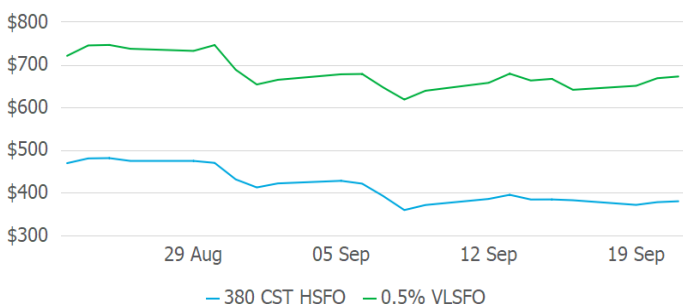
PRODUCT (\$/mt)	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	10.66	672.33	672.83	672.575	4.034
380 CST HSFO	-3.76	379.91	380.41	380.155	2.133
PRODUCT (\$/bbl)	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	1.59	100.32	100.39	100.354	0.602
380 CST HSFO	-0.59	59.83	59.91	59.867	0.336

* Cash mean differential to swaps for both grades

FUJAIRAH BULK FUEL (FOB)

PRODUCT	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO (\$/mt)	642.74	643.24	642.991	4.720
0.5% VLSFO (\$/bbl)	95.90	95.98	95.940	0.704

30-DAY PRICES FOR SINGAPORE BULK VLSFO (\$/mt FOB)



SINGAPORE FUEL BTU INDICATOR

FUEL	API	BTUs/bbl	BTUs/mt	(\$/bbl)	(\$/mt)	BTUs/\$
LSMGO	35.5	5,838,000	43,493,100	126.846	945.000	46,024
0.5% VLSFO	19	6,116,255	40,991,141	103.700	695.000	58,980
HS 380 CST	11.3	6,246,000	39,662,100	62.992	400.000	99,155

* General Indication of the number of BTUs per US dollar spent for various grades of fuel based on API.

SINGAPORE BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	944.75	945.25	945.000	27.000
0.5% VLSFO	694.75	695.25	695.000	3.000
HS 380 CST	399.75	400.25	400.000	4.000

FUJAIRAH BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1259.75	1260.25	1260.000	61.000
0.5% VLSFO	709.75	710.25	710.000	5.000

CHIBA BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMDO	1079.75	1080.25	1080.000	10.000
0.5% VLSFO	724.75	725.25	725.000	0.000

BUSAN BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	949.75	950.25	950.000	20.000
0.5% VLSFO	729.75	730.25	730.000	-20.000

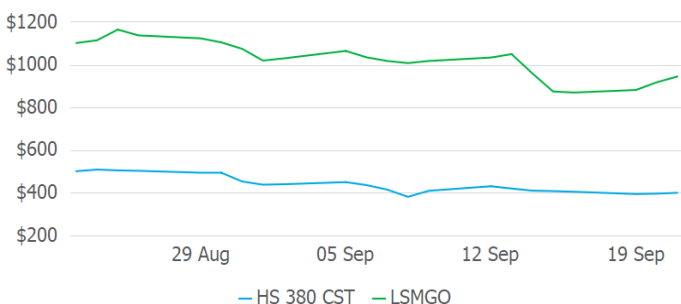
KAOHSIUNG BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1019.75	1020.25	1020.000	20.000
0.5% VLSFO	741.75	742.25	742.000	0.000

ZHOUSHAN BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1075.75	1076.25	1076.000	46.000
0.5% VLSFO	714.75	715.25	715.000	5.000

30-DAY PRICES FOR SINGAPORE BUNKERS (\$/mt delivered)



EUROPE

Hi-5 spread narrows by \$32.50/mt week on week

The Hi-5 spread narrowed steadily during the first three days of the week and was pegged at \$215/mt Wednesday; this compares to a spread of \$247.50/mt seen a week ago, according to OPIS data.

The ARA front month HSFO barge crack was rangebound this week, closing at minus \$29.86/bbl (compared to minus \$30.11/bbl a week ago), while VLSFO barge cracks have recovered significantly and were pegged at minus \$0.92/bbl on Wednesday, compared to plus \$3.44/bbl a week ago.

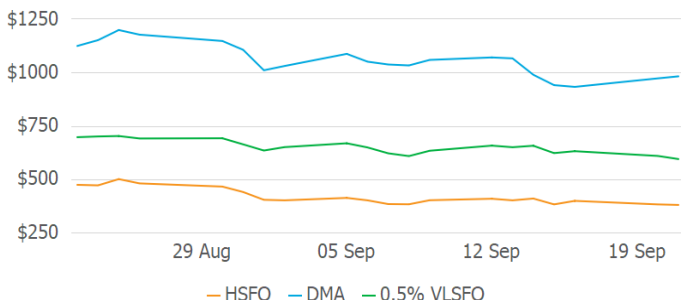
Bunker prices in most of the northwest European and Mediterranean ports moved higher on Wednesday. In the main port of Rotterdam, the HSFO and VLSFO fuel grades both gained \$9/mt and \$13/mt respectively day-on-day, while VLSFO values in the Mediterranean port of Gibraltar moved up by \$6/mt and by \$22/mt for HSFO, compared to Tuesday's pricing data.

Availability was good of prompt DMA supply in Rotterdam and the other ARA ports, sources said. Securing VLSFO and HSFO stems, however, was more difficult as some suppliers are still running low on fuel oil in storage. Independently held fuel oil stocks in ARA increased by 30,000 bbls week on week to 7.16 million bbls, in the week ending September 15, brokers reported, citing data from Insights Global.

The Gibraltar Port Authority reported that bunker operations in the port have been halted since Monday, as local authorities continue to clear the leftover debris and oil sheen from the dry bulk vessel, damaged August 30 and currently resting on the seabed off Gibraltar's coast.

Water levels on the Rhine River have started to decrease again and more dry weather is forecasted for the rest of the week, Riverlake Barging reported in their daily note on Wednesday. Barge loading capacity at the important passage point Kaub in Germany, is around 1,200 mt. Consequently, freight rates from ARA to the Upper Rhine region are moving upward and were seen 66.50 euros/mt.

30-DAY PRICE FOR ARA BULK (\$/mt FOB Barge)



ARA FUEL BTU INDICATOR

FUEL	API	BTUs/bbl	BTUs/mt	(\$/bbl)	(\$/mt)	BTUs/\$
DMA	27.5	5,838,000	41,257,146	145.606	1029.000	40,094
0.5% VLSFO	19	6,116,255	40,991,141	100.567	674.000	60,818
HS 380 CST	11.3	6,246,000	39,662,100	70.079	445.000	89,128

* General Indication of the number of BTUs per US dollar spent for various grades of fuel based on API.

ROTTERDAM BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
DMA	1027.00	1031.00	1029.000	57.000
0.5% VLSFO	672.00	676.00	674.000	13.000
HS 380 CST	443.00	447.00	445.000	9.000

ANTWERP BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
DMA	970.00	974.00	972.000	13.000
0.5% VLSFO	653.00	657.00	655.000	-5.000
HS 380 CST	430.00	434.00	432.000	0.000

HAMBURG BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
DMA	1048.00	1052.00	1050.000	58.000
0.5% VLSFO	708.00	712.00	710.000	19.000
HS 380 CST	632.00	636.00	634.000	24.000

ISTANBUL BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1186.00	1190.00	1188.000	-5.000
0.5% VLSFO	807.00	811.00	809.000	27.000
HS 380 CST	675.00	679.00	677.000	6.000

GIBRALTAR BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1104.00	1108.00	1106.000	14.000
0.5% VLSFO	710.00	714.00	712.000	6.000
HS 380 CST	478.00	482.00	480.000	22.000

PIRAEUS BUNKERS (\$/mt delivered)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LSMGO	1045.00	1049.00	1047.000	36.000
0.5% VLSFO	816.00	820.00	818.000	18.000
HS 380 CST	364.00	368.00	366.000	10.000

ARA BULK BARGES (FOB)

PRODUCT (\$/mt)	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
DMA	-10.00	952.11	1017.11	957.250**	-9.000
0.5% VLSFO	-373.25	593.00	595.00	594.000	-14.750
HSFO	-- --	377.00	381.00	379.000	-2.500

PRODUCT (\$/bbl)	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
DMA	-1.42	134.73	143.92	135.454**	-1.274
0.5% VLSFO	-55.69	88.48	88.78	88.630	-2.201
HSFO	-- --	59.37	60.00	59.685	-0.394

* Diff to Front Month ICE LS Gasoil Futures Prices as Displayed on Page 8

** The DMA price shows the average all day differential created by the OPIS450 methodology, and added to the front month LS Gasoil Settle.

MEDITERRANEAN BULK CARGOES (CIF)

PRODUCT (\$/mt)	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	562.75	566.75	564.750	-2.000
HSFO	345.75	349.75	347.750	3.000

PRODUCT (\$/bbl)	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	83.97	84.56	84.266	-0.298
HSFO	54.45	55.08	54.764	0.472

NWE BULK CARGOES (CIF)

PRODUCT (\$/mt)	LOW	HIGH	MEAN	CHANGE
DMA	957.25	961.25	959.250	-9.000
0.5% VLSFO	595.00	597.00	596.000	-14.750
HSFO	379.00	383.00	381.000	-2.500

PRODUCT (\$/bbl)	LOW	HIGH	MEAN	CHANGE
DMA	135.45	136.02	135.737	-1.274
0.5% VLSFO	88.78	89.08	88.929	-2.201
HSFO	59.69	60.31	60.000	-0.394

AMERICAS**Pacific Northwest MGO climbs on Olympic Pipeline maintenance talk**

Bunkers were mostly lower across the Americas Wednesday, although Pacific Northwest marine gasoil values surged as several U.S. West Coast refined-products participants this week have reported hearing about, or receiving, a notice for planned maintenance of the Olympic Pipeline next week.

In Vancouver, MGO was reported in the spot market at \$1,180-1,185 per metric ton ex-wharf and assessed around that level to \$1,177-1,187/mtw, higher by \$29/mt. Seattle MGO followed closely, marked \$27/mt higher to \$1,175-1,185/mtw. VLSFO in Vancouver was indicated at \$905-910/mtw and was assessed \$4/mt higher, while Seattle added \$5/mt to \$879-883/mtw. In Los Angeles, MGO plunged, with indicative levels some \$80/mt lower.

In the U.S. Gulf Coast, VLSFO was assessed flat at \$649-653/mtw with

the few indications heard flat to Tuesday. MGO was reported at \$985/mtw and used as the higher end of an assessment of \$975-985/mtw, lower by \$10/mt. HS 380 CST was marked \$10/mt weaker to \$440-444/mtw. New Orleans was quiet and marked softer on the few numbers heard during the day. MGO was assessed \$5/mt weaker to \$1,010-1,020/mtw, and VLSFO and HS 380 CST were both assessed \$12/mt lower to \$674-678/mtw and \$509-513/mtw.

On the U.S. East Coast, a supplier reported seeing no inquiries for New York Harbor, noting, "everything is termed up with liner business." New York VLSFO was heard very early in the day at \$740/mtw, which was basically a holdover number from Tuesday. It was assessed at \$730-734/mtw. MGO dropped by \$15/mt on softer diesel to \$1,085-1,095/mtw, and HS 380 CST was assessed \$11/mt weaker to \$511-515/mtw.

HOUSTON FUEL BTU INDICATOR

PRODUCT	API	BTUs/bbl	BTUs/mt	MEAN (\$/bbl)	MEAN (\$/mt)	BTUs/\$
GC ULSD	35.5	5,838,000	43,493,100	137.080	1021.243	42,588
0.5% VLSFO	19	6,116,255	40,991,141	97.135	651.000	62,966
HS 380 CST	11.3	6,246,000	39,662,100	69.606	442.000	89,733

* General Indication of the number of BTUs per US dollar spent for various grades of fuel based on API.

AMERICAS BUNKERS (\$/mt ex-wharf)

HOUSTON					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	975.00	985.00	980.000	-10.000
0.5% VLSFO	-392.15	649.00	653.00	651.000	0.000
HS 380 CST	---	440.00	444.00	442.000	-10.000

NEW ORLEANS					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1010.00	1020.00	1015.000	-5.000
0.5% VLSFO	-367.15	674.00	678.00	676.000	-12.000
HS 380 CST	---	509.00	513.00	511.000	-12.000

NEW YORK					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1085.00	1095.00	1090.000	-15.000
0.5% VLSFO	-311.15	730.00	734.00	732.000	19.000
HS 380 CST	---	511.00	515.00	513.000	-11.000

PHILADELPHIA					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1115.00	1125.00	1120.000	-20.000
0.5% VLSFO	-281.15	760.00	764.00	762.000	6.000
HS 380 CST	---	550.00	554.00	552.000	-8.000

NORFOLK					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1145.00	1155.00	1150.000	-20.000
0.5% VLSFO	-294.15	747.00	751.00	749.000	-10.000
HS 380 CST	---	587.00	591.00	589.000	-9.000

SAVANNAH					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1100.00	1110.00	1105.000	-35.000
0.5% VLSFO	-291.15	750.00	754.00	752.000	-10.000
HS 380 CST	---	606.00	610.00	608.000	-6.000

SEATTLE					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1175.00	1185.00	1180.000	27.000
0.5% VLSFO	-162.15	879.00	883.00	881.000	5.000
HS 380 CST	---	480.00	484.00	482.000	-1.000

AMERICAS BUNKERS - CONTINUED (\$/mt ex-wharf)

LOS ANGELES					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1130.00	1140.00	1135.000	-80.000
0.5% VLSFO	-267.15	774.00	778.00	776.000	-16.000
HS 380 CST	---	468.00	472.00	470.000	-10.000

PANAMA					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1065.00	1075.00	1070.000	-10.000
0.5% VLSFO	-326.15	715.00	719.00	717.000	-7.000
HS 380 CST	---	435.00	439.00	437.000	-38.000

VANCOUVER					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1177.00	1187.00	1182.000	29.000
0.5% VLSFO	-136.15	905.00	909.00	907.000	4.000
HS 380 CST	---	505.00	509.00	507.000	4.000

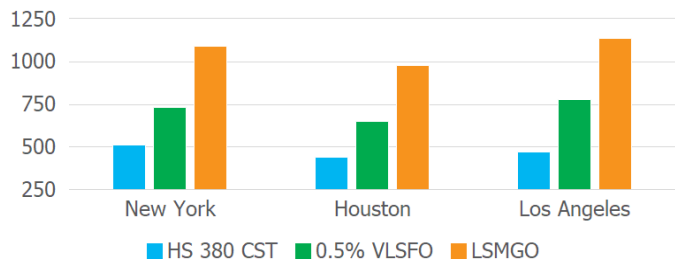
MANZANILLO					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1845.00	1855.00	1850.000	-30.000
0.5% VLSFO	---	1663.00	1667.00	1665.000	-18.000
HS 380 CST	---	1093.00	1097.00	1095.000	-26.000

VERACRUZ					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1845.00	1855.00	1850.000	-30.000
0.5% VLSFO	---	1663.00	1667.00	1665.000	-18.000
HS 380 CST	---	1093.00	1097.00	1095.000	-26.000

VALPARAISO					
PRODUCT	BASIS DIFF*	LOW	HIGH	MEAN	CHANGE
LSMGO	---	1465.00	1475.00	1470.000	-10.000
0.5% VLSFO	---	1257.00	1261.00	1259.000	-25.000
HS 380 CST	---	761.00	765.00	763.000	-30.000

* Diff to Front Month NYMEX ULSD Futures as Displayed on Page 8

BUNKER FUELS vs LSMGO (\$/mt ex-wharf)



AMERICAS BARGE RATES (\$/mt)

LOCATION	LOW	HIGH
Houston	11.00	20.00
New Orleans	10.50	19.00
New York	9.54	15.54
Philadelphia	7.63	12.42
Norfolk, VA	9.54	15.54
Savannah	10.25	21.00
Los Angeles	13.00	20.00
Seattle	12.20	18.50
Panama	10.25	18.75
Vancouver, BC	11.25	18.74
Manzanillo	12.45	18.50
Veracruz	12.45	18.50
Valparaiso	12.25	19.25

* Typical Barge Rates for Parcels of 600-1600mt

OPIS Benchmark Rack ULSD

OPIS GROSS TERMINAL ULTRA LOW SULFUR DISTILLATE PRICES

LOCATION	RACK LOW (\$/gal)	RACK LOW (\$/mt)	DIFF TO NYMEX* (\$/gal)	DIFF TO NYMEX* (\$/mt)	RACK AVG (\$/gal)	RACK AVG (\$/mt)	DIFF TO NYMEX* (\$/gal)	DIFF TO NYMEX* (\$/mt)
Houston**	3.3477	1047.495	0.0139	4.349	3.4114	1067.427	0.0776	24.281
New York	3.5065	1097.184	0.1727	54.038	3.6577	1144.494	0.3239	101.348
Philadelphia	3.3860	1059.479	0.0522	16.333	3.4680	1085.137	0.1342	41.991
Norfolk	3.3913	1061.138	0.0575	17.992	3.4306	1073.435	0.0968	30.289
Savannah	3.5069	1097.309	0.1731	54.163	3.5602	1113.987	0.2264	70.841
New Orleans	3.3375	1044.304	0.0037	1.158	3.3831	1058.572	0.0493	15.426
Los Angeles***	3.4265	1072.152	0.0927	29.006	3.5510	1111.108	0.2172	67.962
Seattle	3.5090	1097.966	0.1752	54.820	3.5865	1122.216	0.2527	79.070
Detroit	3.3565	1050.249	0.0227	7.103	3.4563	1081.476	0.1225	38.330
Vancouver	4.0847	1278.103	0.7509	234.957	4.0852	1278.259	0.7514	235.113

* Diff to Front Month Nymex ULSD Settle

** ULSD LED

*** CARB ULSD (adjusted to exclude CAR)

HOUSTON BULK FUEL (FOB)

PRODUCT (\$/bbl)	DIFF*	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	-45.05	94.82	95.12	94.972	-1.044
3% HSFO	-- --	61.40	61.50	61.450	-0.550
PRODUCT (\$/mt)	DIFF*	LOW	HIGH	MEAN	CHANGE
0.5% VLSFO	-406.65	635.50	637.50	636.500	-7.000
3% HSFO	-- --	389.89	390.53	390.208	-3.493

BASIS NEW YORK HARBOR BULK FUEL (DELIVERED)

PRODUCT (\$/bbl)	DIFF*	LOW	HIGH	MEAN	CHANGE
0.3% ULSFO	-- --	118.99	119.09	119.040	-1.330
0.5% VLSFO	-40.98	98.89	99.19	99.038	-1.268
1% SFO	-- --	81.25	81.35	81.300	-0.300
3% HSFO	-- --	68.00	68.10	68.050	-0.650
PRODUCT (\$/mt)	DIFF*	LOW	HIGH	MEAN	CHANGE
0.3% ULSFO	-- --	813.89	814.58	814.234	-9.097
0.5% VLSFO	-379.40	662.75	664.75	663.750	-8.500
1% SFO	-- --	515.94	516.57	516.255	-1.905
3% HSFO	-- --	431.80	432.43	432.117	-4.128

* Diff to Front Month NYMEX ULSD Futures as Displayed on Page 8

U.S. GULF COAST FOB LNG (\$/MMBtu)

	1-15 DAY 09/22-10/06	16-30 DAY 10/07-10/21	31-45 DAY 10/22-11/05	46-60 DAY 11/06-11/20
Differential	46.970	49.334	50.114	50.630
NG Price	7.990	7.779	7.827	7.827
Assessment	54.960	57.113	57.941	58.457

U.S. GULF COAST LIGHT CYCLE OIL (\$/gal)

PRODUCT	LOW	HIGH	MEAN	CHANGE
LT Cycle Oil	2.92	2.96	2.936	-0.041
LS LT Cycle Oil	2.92	2.97	2.941	-0.041

Swaps

SINGAPORE (\$/mt)

MONTH	HSFO	VLSFO	SPREAD	SPREAD CHANGE
Oct	384.00	660.75	276.75	-1.50
Nov	385.30	643.00	257.70	-0.60
Dec	387.80	630.50	242.70	-0.35

* Values at 16:30 Singapore time

EAST/WEST (\$/mt)

MONTH	HSFO	CHANGE	VLSFO	CHANGE
Oct	-13.50	1.50	52.00	4.25
Nov	-14.75	2.25	43.75	2.50
Dec	-14.50	2.25	38.00	0.75

* Values at 16:30 UK time

ARA (\$/mt)

MONTH	HSFO	VLSFO	SPREAD	SPREAD CHANGE
Oct	384.75	591.44	206.69	-3.37
Nov	387.75	581.69	193.94	-2.12
Dec	390.75	574.94	184.19	-1.12

* Values at 16:30 UK time

HOUSTON

MONTH (\$/bbl)	HSFO	VLSFO	SPREAD	SPREAD CHANGE
Oct	61.25	93.85	32.60	-0.55
Nov	61.45	92.70	31.25	-0.30
Dec	61.40	91.65	30.25	-0.10

MONTH (\$/mt)	HSFO	VLSFO	SPREAD	SPREAD CHANGE
Oct	388.94	628.98	240.04	-3.90
Nov	390.21	621.28	231.07	-2.27
Dec	389.89	614.24	224.35	-1.01

* Values at 16:30 CST time

Crack Spreads

ASIA BULK RESIDUAL FUEL OIL vs CRUDE CRACK SPREAD (\$/bbl)

LOCATION	VLSFO	CHANGE	HSFO	CHANGE
Singapore/Brent	7.414	0.522	-33.073	0.256

* Brent at 16:30 Singapore time

ARA BULK RESIDUAL FUEL OIL vs CRUDE CRACK SPREAD (\$/bbl)

LOCATION	VLSFO	CHANGE	HSFO	CHANGE
Rotterdam/Brent	-0.920	-1.421	-29.865	0.386

* Brent at 16:30 UK time

HOUSTON BULK RESIDUAL FUEL OIL vs CRUDE CRACK SPREAD (\$/bbl)

LOCATION	VLSFO	CHANGE	HSFO	CHANGE
Houston/Brent	5.142	-0.254	-28.380	0.240

* Brent at Settle (19:30 UK time)

GULF COAST LSVGO BARGE vs BUNKER SPREAD (\$/bbl)

LSVGO	0.5% VLSFO BULK	0.5% VLSFO BUNKER	LSVGO vs VLSFO BULK	LSVGO vs VLSFO BUNKER
101.84	94.97	97.14	6.87	4.70

OPIS Spot

OPIS SPOT ULSD

LOCATION	MEAN (\$/gal)	MEAN (\$/mt)	DIFF TO NYMEX (\$/gal)	DIFF TO NYMEX (\$/mt)
Gulf Coast	3.2638	1021.243	-0.0700	-21.903
New York Harbor Barge	3.3463	1047.057	0.0125	3.911
Los Angeles*	3.4090	1066.676	0.0752	23.530
Pacific Northwest	3.4238	1071.307	0.0900	28.161

* ULS No.2

Energy Futures

ICE BRENT 16:30 SINGAPORE MARKER (\$/bbl)

MONTH	PRICE	CHANGE
Nov	92.94	0.08
Dec	91.68	0.28
Jan	90.05	0.35

ICE BRENT 16:30 UK MARKER (\$/bbl)

MONTH	PRICE	CHANGE
Nov	89.55	-0.78
Dec	88.60	-0.42
Jan	87.17	-0.32

ICE BRENT SETTLE (\$/bbl)

MONTH	PRICE	CHANGE
Nov	89.83	-0.79
Dec	88.80	-0.60
Jan	87.31	-0.54

ICE LS GASOIL SETTLE (\$/mt)

MONTH	PRICE	CHANGE
Oct	967.25	-9.00
Nov	934.50	-12.50
Dec	908.50	-14.50

NATURAL GAS (\$/mmBtu)

MONTH	PRICE	CHANGE
Oct	7.779	0.062
Nov	7.827	0.055
Dec	7.990	0.058

NYMEX WTI CRUDE OIL (\$/bbl)

MONTH	PRICE	CHANGE
Nov	82.9400	-1.0000
Dec	82.4300	-0.8500
Jan	81.6200	-0.7500

NYMEX ULSD (cts/gal)

MONTH	PRICE	CHANGE
Oct	333.3800	-3.8400
Nov	326.1500	-4.2500
Dec	320.0200	-4.3300

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SUBSCRIPTION INFORMATION

If you would like to subscribe to OPIS Global Marine Fuels, [contact us](#).



For complete methodology, visit www.opisnet.com/about/methodology

Bulk Fuel Oil Softens Again; VLSFO Premium to Brent Tightens Further

In bulk fuel oil market Wednesday, 20 API VLSFO was talked at \$4.50/bbl over November ICE Brent. It was assessed at \$636.50/mt, lower by \$7/mt. Using a 19 API, the level equates to November ICE Brent plus \$5.14/bbl, or \$94.97/bbl. HSFO was reported done in the afternoon online auction at \$60.80/bbl.

Based on swaps, HSFO was assessed 55cts lower to \$61.45/bbl.

On the U.S. East Coast, 20 API VLSFO was talked at an \$8.50/bbl premium over November ICE Brent. VLSFO was assessed \$8.50/mt lower to \$663.75/mt. On paper movement, HSFO was marked 65cts lower to \$68.05/bbl, and 1%S was assessed 30cts lower to \$81.30/bbl.

Cargo Update

EUROPE

- Vessel *Anafi Warrior*, is hauling a 100,000-mt fuel oil cargo between the Russian port of Ust-Luga and Gibraltar, with departure date September 20.

US Residual Fuel Oil Stocks Build to 47-Week High as Demand Plummet

U.S. residual fuel oil stocks grew by 1.1 million bbl to 29.4 million bbl for the week ending Sept. 16, the highest level since Oct. 21, 2021, according to data released Wednesday by the U.S. Energy Information Administration (EIA) in its weekly petroleum report.

The stock level on Oct. 21, 2021 was 29.7 million bbl.

"Lots of barrels around, everyone is looking to sell, no one is buying," said one Gulf Coast fuel oil broker. "I spoke with a bunker guy in Houston the other day and he said he had not seen one inquiry that day. That's Houston! I don't want to say demand destruction, but demand is low."

Demand, as measured by EIA as products supplied to the market, fell by 101,000 b/d, or 36.2%, week on week to 178,000 b/d.

All other fuel oil market dynamics were lower:

- Production fell by 73,000 b/d, or 21.9%, to 261,000 b/d. The largest drop in production was seen in the U.S. Gulf Coast (PADD 3), where it dropped to 85,000 b/d from 145,000 b/d the previous week.
- Imports fell by 5,000 b/d to 176,000 b/d.
- Exports increased by 22,000 b/d to 108,000 b/d.

Bulk VLSFO prices in the U.S. Gulf Coast have seen the trading spread to ICE Brent values collapse in recent weeks. VLSFO (19 API) was assessed by OPIS Tuesday, Sept. 20, at November ICE Brent plus \$5.40/bbl, or \$643.50/mt, compared with

the week-ago level of November ICE Brent plus \$6.69/bbl, or \$669.25/mt.

--Reporting by Tom Sosnowski, tsosnowski@opisnet.com; Editing by Eric Wieser, ewieser@opisnet.com and Michael Kelly, mkelly@opisnet.com

Neste, Marathon Close on Deal for California Renewable Diesel Joint Venture

Neste and Marathon Petroleum Corp. have closed on a deal to establish a renewable diesel production joint venture once the conversion of Marathon's Martinez, Calif., refinery is completed, the companies said Wednesday.

"All required closing conditions have been met, including the receipt of the necessary permits and regulatory approvals," the Finnish refiner and renewable fuels producer said of the joint venture, which will be called Martinez Renewables.

The facility will be operated by Marathon, and the output will be split evenly between the companies. The Martinez project is expected to raise Neste's annual renewable products production capacity by about 365 million gal. The companies announced the joint venture in March.

Marathon said that Neste will contribute \$1 billion, or about half of the conversion project's projected price tag.

Martinez Renewables is expected to begin production early next year. Pretreatment capabilities are expected to come online in the second half of 2023 and the facility is expected to reach an annual capacity of 730 million gal by the end of next year.

Marathon President and CEO Michael Hennigan said in a news release that the partnership "creates a platform for additional collaboration within renewables."

Neste President and CEO Matti Lehmus said the move positions his company as "a global producer of renewable diesel, sustainable aviation fuel and renewable feedstock for polymers and chemicals, with production operations in Asia, Europe and North America."

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