



SPECTRA FUELS



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Bunkering at Worldwide Ports



SPECTRA FUELS

presents spectrum of alternatives in terms of Port, Price, Credit, Fuel quality, Fuel quantity, Services
brings savings in overheads, fuel costs and voyage costs
assists on voyage bunker schedule planning
is an expert adviser and mediator on Bunker disputes and claims
brings strong Negotiating Skills leading to substantial savings
keeps, Up to the minute's knowledge of Prices and availability

Spectra Fuels is
Bunkering Tankers
Ships, Gas Carriers,
Bulk Carriers,
Container Ships, Car
Carriers, Cruise
Ships, Offshore
Ships, Dredgers,
Naval Ships, Tugs,
Other Special Ships

Marine Fuels - FO380cst (3.5%S), FO180cst (3.5%S), MGO (1.5%S), LSMGO (0.1% S), ULSFO (0.5%S), Others

Fuel Specifications - ISO 8217 2005, ISO 8217 2010, ISO 8217 2012, ISO 8217 2017, Local specs, Other specs

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24X7 Quick Response Worldwide Ports Competitive Price Excellent Service

About IMO2020

On 1 January 2020, the International Maritime Organisation (IMO) will implement a new regulation for a 0.50% global sulphur cap for marine fuels.

Under the new global cap, ships will have to use marine fuels with a sulphur content of no more than 0.50%S against the current limit of 3.50%S in an effort to reduce the amount of sulphur oxide.

The Emission Control Areas (ECAs) will remain at the 2015 standard of 0.1%S content.

The more stringent sulphur regulation has led to shipowners and operators mulling over which options they should choose in order to comply with the IMO regulation, and refiners considering whether to produce more low-sulphur fuel to meet possibly higher demand, as both parties anticipate an unprecedented change in the marine fuels supply landscape.

The issue with the 0.5% sulphur cap regulation is that it has turned into a problem for refiners (the fuel suppliers) and shipowners (the fuel buyers), caught in a quandary whereby suppliers are unable to commit on how much to produce as buyers do not know how much is needed, vice versa.

Specification

Characteristic	Unit	Limit	RMG 380
Density at 15°C	kg/m ³	Max.	991
CCAI	-	Max.	870
Kinematic viscosity at 50°C	mm ² /s ^a	Max.	380
Flash Point	°C	Min.	60,0
Pour Point (upper) ^b			
-Winter quality	°C	Max.	30
-Summer quality			30
Carbon residue: Micro Method	Mass %	Max.	18,00
Ash	Mass %	Max.	0,100
Water	Volume %	Max.	0,50
Sulfur ^c	% (m/m)	Max.	Statutory Requirements
Sodium	mg/kg	Max.	100
Vanadium	mg/kg	Max.	350
Total sediment aged	Mass %	Max.	0,10
Aluminium plus Silicon	mg/kg	Max.	60
Used lubricating oil (ULO)	mg/kg		<p>The fuel Shall be free from ULO. A fuel shall be considered to contain ULO when either one of the following conditions is met:</p> <p>Calcium> 30 and Zinc > 15; or Calcium> 30 and Phosphorus >15</p>
Calcium and Zinc, or Calcium and Phosphorous			

- The ISO/PAS 23263:2019 document "Petroleum products -- Fuels (class F) --Considerations for fuel suppliers and users regarding marine fuel quality in view of the implementation of maximum 0.5% sulfur in 2020". The update comes after the current ISO 8217:2017 edition.
- It gives technical considerations which might apply to particular fuels for the following characteristics:
 - a) Kinematic viscosity;
 - b) Cold flow properties;
 - c) Stability;
 - d) Ignition characteristics;
 - e) Catalyst fines.

VLSFO Availability

SR. No.	Region	Country	Ports	Companies accepted to supply IMO2020 Fuel
1.	Asia	South Korea	Incheon	SK Innovation co/SK trading International
		China	Shanghai, Jinling and Hainan	Sinopec Ramps; BP; Exxonmobil
		Hong Kong	Hong Kong	BP; Exxonmobil
		India	Kandla, New Manglore, Cochin, Tuticorin, Chennai, Ennore, Vizag, Kolkata, Haldia, Paradip etc.	IOCL
		Singapore	Singapore	Shell; Exxonmobil; BP; France's state oil;
		Japan	Chiba	Cosmo Oil Co. Ltd
		Australia	Brisbane, Darwin, Freemantle, Melbourne, Sydney	Viva Energy Australia
		Iraq	UMM Qasr, Khor Al Zubair, Basra A/B and Basra Oil Terminal	Sea Crown Marine Service
		Arabian Gulf	Fujairah, Dubai, Abu Dhabi and Sharjah and Gulf of Oman.	Monjasa
		2.	Europe	Netherlands
Holland	Rotterdam			BP; Exxonmobil;
Belgium	Antwerp			BP; Exxonmobil;

Sr. No.	Regions	Country	Ports	Companies accepted to supply IMO2020 Fuel
2.	Europe	Sweden	Scandinavia; Skaw-Gothenburg	Stena Oil
		North West Europe	Portland, UK and Skaw, Denmark	Monjasa
		United Kingdom	Cardiff	Greenenergy
		Germany	Hamburg	France's state oil
		Italy	Sarroch, Cagliari, Genoa, Marseilles	Saras Trading SA; Exxonmobil
		France	St. Louis du rhone, Port Provence	France's state oil
3.	South America	Brazil	Rio de Janeiro	Petrobras
4.	North America	Panama	Balboa, Cristobal	Monjasa
		Jamaica	Kingston and Antonio	Petrojam
5.	Africa	West Africa	Gulf of Guinea to Namibia	Monjasa

FO380(3.5%S) & VLSFO(0.5%S) Price Comparison- SINGAPORE

Date	FO380cst(3.5%S) USD/MT	VLSFO(0.5%S) USD/MT	Price Differential USD/MT
25-09-2019	502	572	70
24-09-2019	507.50	584	76.5
23-09-2019	540	582	42
20-09-2019	575.50	582	6.5
19-09-2019	554.50	575	20.5
18-09-2019	598.50	590	8.5
17-09-2019	634.50	635	0.5
16-09-2019	568.50	575	65
13-09-2019	517	545	28
12-09-2019	492	557	65
11-09-2019	480	557	77

FO380(3.5%S) & VLSFO(0.5%S) Price Comparison- FUJAIRAH

Date	FO380cst(3.5%) USD/MT	VLSFO(0.5%) USD/MT	Price Differential USD/MT
25-09-2019	436	620	184
24-09-2019	458	650	192
23-09-2019	491	650	159
20-09-2019	500	650	150
19-09-2019	493	650	211
18-09-2019	539	650	111
17-09-2019	550	660	110
16-09-2019	475	660	185
13-09-2019	440	600	160
12-09-2019	407.5	610	202.5
11-09-2019	417	620	203

FO380(3.5%S) & VLSFO(0.5%S) Price Comparison- ROTTERDAM

Date	FO380cst(3.5%S) USD/MT	VLSFO(0.5%S) USD/MT	Price Differential USD/MT
25-09-2019	412.5	590	177.5
24-09-2019	412.5	590	177.5
23-09-2019	424	597	173
20-09-2019	426	595	169
19-09-2019	417.5	605	187.5
18-09-2019	427	600	173
17-09-2019	457	625	168
16-09-2019	406.5	555	148.5
13-09-2019	364	520	156
12-09-2019	345	520	175
11-09- 2019	351	525	174

Challenges



Volatility in price of IMO 2020 fuel.



Availability of Fuel




From 55,000 ships only 5000 have installed scrubbers, so rest ships either have to use VLSFO as fuel or MGO.




Different Suppliers having different specifications leading to unclear impact on technical aspects of vessel.


How Spectra Fuels can assist you in Challenges to IMO2020




- Spectra Fuels is constantly in touch with suppliers to keep a track of IMO2020 fuel availability and prices.



- Spectra Fuels works with reliable suppliers to ensure that that right quality and quantity is supplied.



- Spectra Fuels is in touch with Ship Owners, Charterers and Operators to understand the VLSFO demand.



- As seen in recent months the price differential between FO380(3.5%) and VLSFO(0.5%) is variable so it has become difficult for the buyer to assess the right market price, Spectra Fuels assists the buyer in keeping the track on right market prices and getting the right price for the buyer.