

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 1st and 14th June 2019 FOBAS identified 63 instances where a result was outside the 95% confidence limit of either ISO 8217 6th edition test parameter or a value given by the BDN or sample label

Port	Characteristic	ISO 8217 Limit or Advised Value	Final result	Unit
Antwerp	Cetane index	40**	39	Index
Antwerp	Total Sediment Potential	0.10*	0.37	% Mass
Antwerp	Viscosity at 40°C	6.00**	6.0	cSt
Antwerp	Viscosity at 50°C	377.0**	399.9	cSt
Antwerp	Viscosity at 50°C	377.0**	397.9	cSt
Antwerp	Viscosity at 50°C	377.0**	399.7	cSt
Antwerp	Viscosity at 50°C	377.0**	399.7	cSt
Balboa	Water	0.50*	1.20	% Volume
Cartagena	Aluminium + Silicon	60*	102	mg/kg
Cartagena	Ash	0.100*	0.188	% Mass
Cartagena	Water	0.50*	3.80	% Volume
Ceyhan	Viscosity at 50°C	373.6**	398.4	cSt
Conakry	Sulphur	0.09**	0.21	% Mass
Elizabeth	Aluminium + Silicon	60*	76	mg/kg
Fujairah	Sulphur	3.48**	3.77	% Mass
Gothenburg	Pour point	30*	36	oC
Hamburg	Aluminium + Silicon	60*	88	mg/kg
Hong Kong	Sodium	100*	242	mg/kg
Hong Kong	Total Sediment Potential	0.10*	0.5	% Mass

Hong Kong	Water	0.50*	0.80	% Volume
Kali Limenes	Viscosity at 50°C	180.0**	195.1	cSt
Kali Limenes	Water	0.50*	1.00	% Volume
Klaipeda	Sulphur	0.09**	0.12	% Mass
Koh Si Chang Transhipment Area	Viscosity at 50°C	355.6**	414.5	cSt
La Libertad	Viscosity at 50°C	380.0**	412.2	cSt
La Libertad	Viscosity at 50°C	380.0**	401.2	cSt
Lewisporte	Flash point	60.0***	55.5	°C
Long Beach	Density at 15°C	0.9910**	0.9921	kg/l
Malta - Port Not Stated	Viscosity at 50°C	380.0**	398.5	cSt
Malta - Port Not Stated	Viscosity at 50°C	380.0**	400.2	cSt
Mobile	Water	Trace*	1.65	% Volume
Ningbo	Cetane index	40**	38	Index
Piraeus	Water	0.50*	0.65	% Volume
Port Elizabeth	Water	0.50*	3.60	% Volume
Port Louis	Viscosity at 50°C	174.5**	191.6	cSt
Riga	Viscosity at 50°C	380.0**	399.1	cSt
Salerno	Water	0.50*	0.70	% Volume
Salerno	Water	0.50*	0.70	% Volume
Singapore	Density at 15°C	0.9908**	0.9920	kg/l
Singapore	Density at 15°C	0.9747**	0.9955	kg/l
Singapore	Density at 15°C	0.9900**	0.9929	kg/l
Singapore	Pour point	0*	9	oC
Singapore	Water	0.50*	0.70	% Volume
Skagen (Skaw)	Viscosity at 50°C	376.2**	401.8	cSt
Sriracha	Viscosity at 50°C	147.5**	196.9	cSt
Talara	Flash point	60.0***	58.5	°C
Tanjung Pelepas	Sulphur	0.07**	0.12	% Mass
Travemunde	Total Sediment Potential	0.10*	0.33	% Mass

Ust Luga	Density at 15°C	0.9895**	0.9966	kg/l
Ust Luga	Viscosity at 50°C	390.0**	474.0	cSt
Ust Luga	Water	0.50*	1.00	% Volume
Wei Hai	Flash point	60.0***	30.0	°C
Wei Hai	Flash point	60.0***	30.0	°C
Wei Hai	MCR 10% bottom	0.30*	0.38	% Mass
Wei Hai	MCR 10% bottom	0.30*	0.37	% Mass
Wei Hai	Sulphur	0.09**	0.84	% Mass
Wei Hai	Sulphur	0.09**	0.78	% Mass
Xiamen	Cetane index	40**	39	Index
Xiamen	Sulphur	0.00**	0.15	% Mass
Zeebrugge	Viscosity at 50°C	377.0**	401.0	cSt
Zhoushan	Viscosity at 50°C	118.0**	189.1	cSt

*ISO 8217 6th edition limit

**Advised value from BDN or sample label.

***Due to the statutory significance of Flash Point the 95% confidence limit is not applied.

This report contains selected parameters taken from the FOBAS routine analysis data of ship drawn as bunkered samples. These reports will provide progressive snap shot of information every two weeks on the problematic quality characteristics of marine fuels as tested but should not be viewed in isolation. The results given, of course, do not necessarily reflect the overall quality of fuels delivered at a particular port. Note 95% confidence limit as per ISO 4259 Petroleum products: Determination and application of precision data in relation to methods of test

Note: This report has been prepared against ISO 8217 6th edition, as published March 2017. See CIMAC FAQ doc on ISO 8217 for more details (available in our technical library at www.fobas.com).

However, we fully recognise that many of the fuel deliveries covered by this report will have been specified and delivered against earlier versions of ISO 8217 or other specifications and hence will include instances where the fuel 'as bunkered' was fully within the purchaser's required specification. As has always been the case for FOBAS, it is recognised that there is an important distinction between a fuel not meeting, or meeting, a specification requirement and its suitability for use in particular cases.

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Southampton, United Kingdom
Tel: +44 (0)330 414 1000
E fobas@lr.org

Redcar, United Kingdom
Tel: +44 (0)1642 440991
E fobas@lr.org

Singapore
Tel: +65 3163 0888
E fobas@lr.org

Piraeus, Greece
Tel: +30 210 4580 932
E fobas@lr.org