

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 15th and 31st December 2018 FOBAS identified 57 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
Abu dhabi	Sulphur	0.08**	0.12	% Mass
Antwerp	Flash point	60.0***	59.0	°C
Antwerp	Viscosity at 50°C	498.0**	543.1	cSt
Antwerp	Viscosity at 50°C	377.0**	401.6	cSt
Balboa	Viscosity at 50°C	396.8**	532.2	cSt
Balboa	Water	0.50*	1.50	% Volume
Bangkok	Viscosity at 50°C	352.4**	411.6	cSt
Cartagena	Sodium	100*	132	mg/kg
Ceuta	Viscosity at 50°C	180.0**	221.2	cSt
Fujairah	Water	0.50*	0.70	% Volume
Gdansk	Viscosity at 50°C	368.0**	404.9	cSt
Haifa	Viscosity at 50°C	180.0**	231.8	cSt
Harlingen	Flash point	60.0***	58.5	°C
Inchon	Viscosity at 50°C	367.7**	422.0	cSt
Istanbul	MCR 10% bottom	0.30*	0.61	% Mass
Istanbul	Viscosity at 50°C	180.0**	188.6	cSt
Istanbul	Water	0.50*	1.05	% Volume

Kali Limenes	Viscosity at 50°C	180.0**	194.2	cSt
Kingston	Viscosity at 50°C	373.0**	404.3	cSt
Lome	Sulphur	0.06**	0.31	% Mass
Long Beach	Density at 15°C	0.9899**	0.9921	kg/l
Malta - Port Not Stated	Total Sediment Potential	0.10*	0.21	% Mass
Patrasso	Total Sediment Potential	0.10*	0.23	% Mass
Piraeus	Total Sediment Potential	0.10*	0.18	% Mass
Pointe a Pierre	Water	0.50*	1.10	% Volume
Point Lisas	Water	0.50*	1.00	% Volume
Point Lisas	Water	0.50*	0.85	% Volume
Port Klang	Pour point	0*	6	oC
Primorsk	Sulphur	0.05**	0.13	% Mass
Qingdao	Ash	0.100*	0.345	% Mass
Qingdao	Sodium	100*	760	mg/kg
Qingdao	Water	0.50*	7.50	% Volume
Rio Grande	Total Sediment Potential	0.10*	0.26	% Mass
Rotterdam	Sulphur	0.10**	0.13	% Mass
Rotterdam	Viscosity at 50°C	70.4**	84.8	cSt
Rotterdam	Viscosity at 50°C	7.4**	135.7	cSt
Santos	Viscosity at 50°C	350.0**	438.1	cSt
Singapore	Carbon residue	0.30*	0.46	% Mass
Singapore	Density at 15°C	0.9909**	0.9920	kg/l
Singapore	Density at 15°C	0.9902**	0.9926	kg/l
Singapore	Density at 15°C	0.9909**	0.9923	kg/l
Singapore	MCR 10% bottom	0.30*	1.08	% Mass
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	6	oC
Singapore	Total Sediment Potential	0.10*	0.17	% Mass
Singapore	Viscosity at 50°C	377.6**	406.0	cSt
Singapore	Viscosity at 50°C	375.9**	404.2	cSt
Singapore	Water	0.50*	0.80	% Volume

Suez	Viscosity at 50°C	366.6**	414.6	cSt
Suez Canal	Viscosity at 50°C	366.6**	403.0	cSt
Tanjung Pelepas	Pour point	0*	6	oC
Valencia	Acid Number	0.50*	2.45	mgKOH/g
Valencia	Cetane index	40**	38	Index
Valencia	MCR 10% bottom	0.30*	1.85	% Mass
Valencia	Viscosity at 40°C	5.23**	6.2	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