

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 1st and 14th February 2019 FOBAS identified 48 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
Augusta	Water	0.50*	0.65	% Volume
Bayonne	Density at 15°C	0.9903**	0.9962	kg/l
Ceuta	Viscosity at 50°C	180.0**	206.9	cSt
Civitavecchia	Water	0.50*	1.10	% Volume
Fujairah	Sulphur	3.48**	3.73	% Mass
Fujairah	Sulphur	3.48**	3.82	% Mass
Fujairah	Sulphur	3.48**	3.69	% Mass
Fujairah	Sulphur	3.48**	3.75	% Mass
Fujairah	Sulphur	3.48**	3.70	% Mass
Fujairah	Sulphur	3.48**	3.71	% Mass
Gibraltar	Water	0.50*	0.80	% Volume
Gloucester	Aluminium + Silicon	60*	73	mg/kg
Huizhou	Flash point	60.0***	59.50	°C
Istanbul	Viscosity at 50°C	364.3**	406.0	cSt
Jebel Ali	Aluminium + Silicon	60*	767	mg/kg
Jebel Ali	Ash	0.100*	0.178	% Mass
Kali Limenes	Viscosity at 50°C	180.0**	283.8	cSt

Ko Sichang	Viscosity at 50°C	380.0**	409.8	cSt
Laem Chabang	Viscosity at 50°C	365.6**	397.5	cSt
Lazaro Cardenas	Water	0.50*	0.80	% Volume
Los Angeles	Density at 15°C	0.9910**	0.9926	kg/l
Manzanillo	Water	0.50*	1.35	% Volume
Manzanillo	Water	0.50*	1.20	% Volume
Marghera	Viscosity at 50°C	380.0**	404.7	cSt
Muuga	Sulphur	0.09**	0.23	% Mass
Muuga	Total Sediment Potential	0.10*	0.19	% Mass
Newark	Density at 15°C	0.9910**	0.9964	kg/l
Novorossiysk	Viscosity at 50°C	168.9**	188.5	cSt
Philadelphia	Cetane index	40**	38	Index
Philadelphia	Viscosity at 50°C	372.0**	402.8	cSt
Point Lisas	Water	0.50*	0.80	% Volume
Point Lisas	Water	0.50*	0.75	% Volume
Port Klang	Density at 15°C	0.9892**	0.9923	kg/l
Singapore	Density at 15°C	0.9899**	0.9929	kg/l
Singapore	Density at 15°C	0.9899**	0.9949	kg/l
Singapore	Density at 15°C	0.9899**	1.0014	kg/l
Singapore	Density at 15°C	0.9899**	0.9921	kg/l
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Total Sediment Potential	0.10*	0.15	% Mass
Singapore	ULO	Detected	Detected	
Singapore	Viscosity at 50°C	371.6**	406.2	cSt
Singapore	Water	Trace*	0.55	% Volume
Singapore	Water	0.50*	0.70	% Volume
Singapore	Water	0.50*	1.30	% Volume
Stapleton	Density at 15°C	0.9910**	0.9946	kg/l
Tanjung Pelepas	Ash	0.100*	0.170	% Mass
Tanjung Pelepas	Pour point	30*	36	oC
Tanjung Pelepas	Sodium	100*	222	mg/kg
Tanjung Pelepas	ULO	Detected	Detected	

*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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