

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 1st and 14th July 2019 FOBAS identified 59 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	Viscosity at 50°C	380.0**	398.5	cSt
Antwerp	Viscosity at 50°C	699.4**	742.4	cSt
Bangkok	Viscosity at 50°C	355.9**	398.1	cSt
Bolivar Roads (Galveston Texas)	ULO	Detected	Detected	
Bremen	Vanadium	150*	172	mg/kg
Callao	Viscosity at 50°C	341.7**	435.6	cSt
Cartagena	Viscosity at 50°C	363.0**	412.9	cSt
Chennai	Aluminium + Silicon	60*	84	mg/kg
Chennai	Aluminium + Silicon	60*	79	mg/kg
Dammam	Viscosity at 50°C	179.0**	193.3	cSt
Flushing	Water	0.50*	1.10	% Volume
Fujairah	Sulphur	3.47**	3.71	% Mass
Fujairah	Sulphur	3.47**	3.78	% Mass
Fujairah	Sulphur	3.47**	3.73	% Mass
Fujairah	Viscosity at 50°C	379.8**	401.3	cSt
Galle	Ash	0.100*	0.164	% Mass
Galle	Sodium	100*	226	mg/kg
Galle	Water	0.50*	2.50	% Volume

Gibraltar	MCR 10% bottom	0.30*	0.37	% Mass
Honolulu	Viscosity at 50°C	375.0**	403.6	cSt
Huizhou	Water	0.50*	0.70	% Volume
Iskenderun	Viscosity at 50°C	180.0**	188.0	cSt
Juaymah Crude & LPG Terminals	Viscosity at 50°C	180.0**	190.8	cSt
Juaymah Crude & LPG Terminals	Viscosity at 50°C	178.0**	198.4	cSt
Juaymah Crude & LPG Terminals	Viscosity at 50°C	180.0**	190.7	cSt
Juaymah Crude & LPG Terminals	Viscosity at 50°C	180.0**	190.2	cSt
Long Beach	Density at 15°C	0.9910**	0.9930	kg/l
Malta - Port Not Stated	Viscosity at 50°C	380.0**	398.8	cSt
Malta - Port Not Stated	Viscosity at 50°C	380.0**	398.7	cSt
Manzanillo	Water	0.50*	1.00	% Volume
Mongstad	Cetane index	40**	39	Index
Novorossiysk	Water	0.50*	0.70	% Volume
Off Skaw	Viscosity at 50°C	363.6**	427.3	cSt
Punta Cardon	Vanadium	150*	213	mg/kg
Punta Cardon	Viscosity at 50°C	167.8**	192.6	cSt
Rotterdam	Viscosity at 40°C	6.00**	6.19	cSt
Rotterdam	Viscosity at 50°C	376.0**	401.3	cSt
Rotterdam	Viscosity at 50°C	374.0**	397.3	cSt
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	9	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	9	oC

Sriracha	Viscosity at 50°C	146.6**	191.5	cSt
Texas City	Aluminium + Silicon	60*	140	mg/kg
Texas City	Ash	0.100*	0.131	% Mass
Texas City	Total Sediment Potential	0.10*	0.19	% Mass
Texas City	ULO	Detected	Detected	
Texas City	Water	0.50*	0.70	% Volume

*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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