

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 1st and 14th May 2019 FOBAS identified 58 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
Algeciras	Viscosity at 50°C	371.0**	411.2	cSt
Antwerp	Viscosity at 50°C	498.0**	588.3	cSt
Antwerp	Viscosity at 50°C	7.4**	92.5	cSt
Antwerp	Viscosity at 50°C	699.1**	733.0	cSt
Ashdod	Viscosity at 50°C	355.0**	398.1	cSt
Augusta	Water	0.50*	0.90	% Volume
Azua	Viscosity at 50°C	340.0**	486.6	cSt
Barcelona	Viscosity at 50°C	366.7**	405.1	cSt
Colombo	Flash point	60.0***	36.50	°C
Ghent (Gent)	Sulphur	0.10**	0.17	% Mass
Ghent (Gent)	Vanadium	150*	214	mg/kg
Hong Kong	Density at 15°C	0.9903**	0.9937	kg/l
Huizhou	Flash point	60.0***	54.00	°C
Huizhou	Sulphur	0.09**	0.20	% Mass
Klaipeda	Sulphur	0.10**	0.12	% Mass
Koh Si Chang Transhipment Area	Viscosity at 50°C	352.2**	421.8	cSt
Koh Si Chang Transhipment Area	Viscosity at 50°C	352.2**	435.4	cSt

Koh Si Chang Transshipment Area	Viscosity at 50°C	380.0**	424.9	cSt
Koh Si Chang Transshipment Area	Viscosity at 50°C	380.0**	418.2	cSt
Koh Si Chang Transshipment Area	Viscosity at 50°C	359.9**	441.0	cSt
Lazaro Cardenas	Ash	0.100*	0.133	% Mass
Lazaro Cardenas	Water	0.50*	1.30	% Volume
Long Beach	Density at 15°C	0.9910**	0.9922	kg/l
Long Beach	Density at 15°C	0.9910**	0.9921	kg/l
Manzanillo	Viscosity at 50°C	288.0**	513.2	cSt
Mersin	Total Sediment Potential	0.10*	0.15	% Mass
Montreal	Viscosity at 50°C	380.0**	399.9	cSt
Novorossiysk	Flash point	60.0***	40.50	°C
Odessa	Viscosity at 50°C	371.4**	405.1	cSt
Port Klang	CCAI	860*	863	Index
Rio de Janeiro	Density at 15°C	0.9899**	0.9926	kg/l
Rio Grande	Water	0.50*	0.65	% Volume
Singapore	Cetane index	40**	30	Index
Singapore	Cetane index	40**	27	Index
Singapore	Sulphur	0.09**	0.19	% Mass
Singapore	Sulphur	0.09**	0.22	% Mass
Singapore	Viscosity at 50°C	362.5**	411.0	cSt
Singapore	Viscosity at 50°C	362.5**	396.8	cSt
Singapore	Viscosity at 50°C	362.5**	417.8	cSt
Singapore	Viscosity at 50°C	362.5**	412.0	cSt
Singapore	Viscosity at 50°C	374.5**	405.4	cSt
Singapore	Water	0.50*	0.65	% Volume
Sriracha	Viscosity at 50°C	150.5**	190.9	cSt
St Petersburg	CCAI	860*	873	Index
Ust Luga	Viscosity at 40°C	5.20**	6.1	cSt
Ust Luga	Viscosity at 40°C	5.20**	6.1	cSt
Ust Luga	Viscosity at 40°C	5.20**	6.3	cSt
Ust Luga	Viscosity at 50°C	378.0**	399.9	cSt
Valencia	Viscosity at 50°C	374.8**	407.3	cSt
Valencia	Viscosity at 50°C	347.8**	397.0	cSt

Vladivostok	Water	0.50*	0.85	% Volume
Vlissingen	Carbon residue	18.00*	19.39	% Mass
Zeebrugge	Sulphur	0.09**	0.14	% Mass
Zeebrugge	Viscosity at 50°C	80.0**	93.3	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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