

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 1st and 14th August 2019 FOBAS identified 65 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	Ash	0.010*	0.045	% Mass
Antwerp	Ash	0.010*	0.043	% Mass
Antwerp	Cetane index	40**	39	Index
Antwerp	Density at 15°C	0.9897**	0.9957	kg/l
Antwerp	MCR 10% bottom	0.30*	2.25	% Mass
Antwerp	Pour point	30*	36	oC
Antwerp	Pour point	30*	36	oC
Antwerp	Sulphur	0.10**	0.12	% Mass
Antwerp	Viscosity at 40°C	4.00**	6.6	cSt
Augusta	Water	0.50*	0.80	% Volume
Belem	Flash point	60.0***	47.00	°C
Cartagena	Water	0.50*	0.65	% Volume
Civitavecchia	Density at 15°C	0.9914**	0.9931	kg/l
Cristobal	Water	0.50*	0.70	% Volume
Daesan	Viscosity at 50°C	174.6**	190.1	cSt
Dongguan	Sulphur	0.001**	0.11	% Mass
Dover	Ash	0.010*	0.019	% Mass
Galveston	Viscosity at 50°C	372.4**	397.1	cSt

Genoa	Flash point	60.0***	56.0	°C
Grenada	Viscosity at 50°C	170.0**	199.7	cSt
Hamburg	Density at 15°C	0.9909**	0.9923	kg/l
Huelva	Total Sediment Potential	0.10*	0.55	% Mass
Juaymah Crude & LPG Terminals	Viscosity at 50°C	170.0**	191.7	cSt
Juaymah Crude & LPG Terminals	Viscosity at 50°C	177.0**	188.3	cSt
Kozmino	Water	0.50*	0.65	% Volume
Las Palmas	Aluminium + Silicon	60*	96	mg/kg
Lome	Viscosity at 50°C	375.4**	397.7	cSt
Madre de Deus	Water	0.50*	0.70	% Volume
Manzanillo	Water	0.50*	1.10	% Volume
Murmansk	Water	0.50*	1.10	% Volume
Newark	Sulphur	0.09**	0.14	% Mass
Ningbo	Cetane index	40**	38	Index
Ningbo	Sulphur	0.02**	0.18	% Mass
Ningbo	Water	0.50*	0.70	% Volume
Novorossiysk	Water	0.50*	0.65	% Volume
Piraeus	Viscosity at 50°C	441.0**	525.9	cSt
Port Everglades	Flash point	60.0***	56.00	°C
Port Rashid	Sulphur	0.10**	0.14	% Mass
Rotterdam	Density at 15°C	0.9910**	0.9939	kg/l
Rotterdam	Sulphur	0.10**	0.12	% Mass
Rotterdam	Sulphur	0.10**	0.13	% Mass
Rotterdam	Viscosity at 50°C	699.7**	732.3	cSt
Rotterdam	Viscosity at 50°C	380.0**	399.6	cSt
Rotterdam	Viscosity at 50°C	376.6**	503.0	cSt
Rotterdam	Viscosity at 50°C	367.0**	397.3	cSt
Rotterdam	Water	0.50*	2.00	% Volume
Rotterdam	Water	0.50*	2.70	% Volume
Sines	Density at 15°C	0.9907**	0.9936	kg/l

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*	6	oC
Singapore	Pour point	0*	6	oC
Terneuzen	Ash	0.010*	0.055	% Mass
Terneuzen	MCR 10% bottom	0.30*	0.43	% Mass
Ust Luga	Viscosity at 40°C	5.20**	6.05	cSt
Ust Luga	Viscosity at 40°C	5.20**	6.09	cSt
Ust Luga	Viscosity at 50°C	353.1**	402.0	cSt
Valencia	Viscosity at 50°C	374.9**	420.1	cSt
Valencia	Water	0.50*	5.00	% Volume
Valletta	Ash	0.100*	0.167	% Mass
Valletta	Sodium	100*	230	mg/kg
Valletta	Water	0.50*	4.90	% Volume
Vlissingen	Density at 15°C	0.9903**	0.9929	kg/l
Vlissingen	Viscosity at 40°C	6.00**	6.06	cSt
Vlissingen	Viscosity at 40°C	6.00**	6.01	cSt
Vlissingen	Viscosity at 50°C	377.0**	406.0	cSt
Vysotsk	Viscosity at 40°C	5.20**	6.04	cSt
Zeebrugge	Viscosity at 50°C	362.0**	404.9	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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