

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 15th and 31st 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
Al Khums	Flash point	60.0***	27.5	°C
Amsterdam	Density at 15°C	0.9907**	0.9922	kg/l
Antwerp	Viscosity at 40°C	4.00**	6.06	cSt
Antwerp	Viscosity at 40°C	3.50**	6.02	cSt
Antwerp	Viscosity at 50°C	377.0**	401.5	cSt
Antwerp	Viscosity at 50°C	377.0**	398.4	cSt
Antwerp	Viscosity at 50°C	377.0**	410.2	cSt
Antwerp	Viscosity at 50°C	377.0**	397.9	cSt
Antwerp	Viscosity at 50°C	377.0**	401.8	cSt
Antwerp	Water	0.50*	0.65	% Volume
Balboa	Ash	0.100*	0.134	% Mass
Balboa	Ash	0.100*	0.124	% Mass
Balboa	Water	0.50*	0.95	% Volume
Cape Town	Sulphur	0.08**	0.32	% Mass
Colombo	Flash point	60.0***	34.0	°C
Europoort	Viscosity at 50°C	380.0**	402.1	cSt
Everingen	Viscosity at 50°C	372.0**	398.6	cSt
Flushing	Viscosity at 40°C	5.00**	6.15	cSt
Flushing	Viscosity at 50°C	80.0**	93.8	cSt

Freeport	Viscosity at 50°C	380.0**	397.9	cSt
Ghent (Gent)	Viscosity at 40°C	3.50**	6.08	cSt
Gibraltar	Viscosity at 50°C	371.0**	413.2	cSt
Gibraltar	Water	0.50*	0.90	% Volume
Gola	Density at 15°C	0.9869**	0.9940	kg/l
Gothenburg	Cetane index	40**	38	Index
Haifa	Sulphur	0.08**	0.12	% Mass
Haifa	Sulphur	0.08**	0.12	% Mass
Hamburg	Viscosity at 50°C	700.0**	740.4	cSt
Kingston	Viscosity at 50°C	377.4**	397.7	cSt
La Libertad	Viscosity at 50°C	380.0**	397.5	cSt
Livorno (Leghorn)	Water	0.50*	1.00	% Volume
Longkou	Viscosity at 50°C	155.0**	189.7	cSt
Malta - Port Not Stated	Water	0.50*	0.65	% Volume
Manzanillo	Viscosity at 50°C	380.0**	425.6	cSt
Mersin	Viscosity at 50°C	351.9**	403.7	cSt
Muuga	Sulphur	0.09**	0.13	% Mass
Nakhodka	Water	0.50*	0.70	% Volume
Ningbo	Sulphur	0.00**	0.12	% Mass
Palma	Ash	0.010*	0.015	% Mass
Paramaribo	Water	0.50*	0.65	% Volume
Paramaribo	Water	0.50*	0.65	% Volume
Pointe Noire	Viscosity at 50°C	355.5**	399.6	cSt
Rotterdam	Density at 15°C	0.9908**	0.9921	kg/l
Singapore	Aluminium + Silicon	60*	131	mg/kg
Singapore	MCR 10% bottom	0.30*	3.57	% Mass
Singapore	Sulphur	0.08**	0.15	% Mass
Singapore	Sulphur	0.07**	0.12	% Mass

Singapore	Viscosity at 50°C	376.8**	404.6	cSt
Singapore	Water	0.50*	2.05	% Volume
St Petersburg	Ash	0.070*	0.078	% Mass
Talara	Flash point	60.0***	58.50	°C
Tallinn	Water	0.50*	2.70	% Volume
Tanjung Pelepas	Water	0.50*	0.85	% Volume
Yangshan	Water	0.50*	0.75	% Volume
Zhangjiagang	Ash	0.070*	0.080	% Mass
Zona Comun	Viscosity at 50°C	342.1**	419.5	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.

This report contains privileged information intended only for Lloyds Register clients. The information contained in this report should not be disclosed or distributed to third parties without the prior written consent of Lloyd's Register.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

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