

**Service update:** Off-specification fuel quality report

**Applicability:** Lloyd's Register FOBAS clients

Information: Between 1st and 14th April 2021 FOBAS identified 40 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
Ancona	Flash point	60.0***	54.5	°C
Antigua	Flash point	60.0***	58.0	°C
Antigua	Flash point	60.0***	51.0	°C
Antwerp	Total Sediment Potential	0.10*	0.43	% Mass
Arzew El-Djedid	Sulphur	0.10**	0.17	% Mass
Balboa	Water	0.50*	0.65	% Volume
Bayport	Total Sediment Potential	0.10*	0.17	% Mass
Flushing	Total Sediment Potential	0.10*	0.42	% Mass
Galveston	Flash point	60.0***	59.0	°C
Galveston	Total Sediment Potential	0.10*	0.23	% Mass
Helsingborn	Flash point	60.0***	58.5	°C
Houston	Total Sediment Potential	0.10*	0.17	% Mass
Houston	Total Sediment Potential	0.10*	0.24	% Mass
Houston	Total Sediment Potential	0.10*	0.21	% Mass
Houston	Total Sediment Potential	0.10*	0.17	% Mass
Houston	Total Sediment Potential	0.10*	0.17	% Mass
Jingtang	Water	0.50*	1.50	% Volume

Kingston	Viscosity at 50°C	379.0**	399.3	cSt
Map Ta Phut	Viscosity at 50°C	376.5**	465.7	cSt
Newark	Density at 15°C	0.9903**	1.0055	kg/l
Newark	Total Sediment Potential	0.10*	0.33	% Mass
Newark	Viscosity at 50°C	236.0**	673.7	cSt
New York	Density at 15°C	0.9869**	0.9932	kg/l
Ningbo	Cetane index	40**	39	Index
Philadelphia	Cetane index	40**	37	Index
Rayong Province	Water	Trace*	0.60	% Volume
Rio Grande	Aluminium + Silicon	60*	92	mg/kg
Rotterdam	Water	0.50*	1.85	% Volume
Singapore	Acid Number	2.50*	3.30	mgKOH/g
Singapore	Aluminium + Silicon	60*	94	mg/kg
Singapore	Density at 15°C	0.9670**	0.9931	kg/l
Singapore	Total Sediment Potential	0.10*	0.16	% Mass
Sorong	Sulphur	0.10**	0.19	% Mass
St Petersburg	Sulphur	0.10**	0.12	% Mass
St Petersburg	Water	0.50*	1.25	% Volume
St Thomas	Flash point	60.0***	59.0	°C
Tanjung Pelepas	Total Sediment Potential	0.10*	0.21	% Mass
Wilmington (Delaware)	Flash point	60.0***	57.0	°C
Zona Comun	Viscosity at 50°C	351.3**	397.7	cSt
Zona Comun	Viscosity at 50°C	336.1**	404.2	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](http://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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