

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

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

Information: Between 1st and 14th October 2021 FOBAS identified 35 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
Amsterdam	Pour point	0*	5	oC
Antwerp	CCAI	860*	863	Index
Antwerp	CCAI	860*	864	Index
Antwerp	Pour point	0*	6	oC
Antwerp	Total Sediment Potential	0.10*	0.16	% Mass
Antwerp	Viscosity at 50°C	344.8**	398.3	cSt
Antwerp	Water	0.50*	0.65	% Volume
Avonmouth	Flash point	60.0***	56.0	°C
Congo OPL	Pour point	30*	36	oC
Corpus Christi	Total Sediment Potential	0.10*	0.27	% Mass
Dalian	Water	0.50*	0.85	% Volume
Durban	Water	Trace*	1.45	% Volume
Gangavaram	Sulphur	0.03**	0.28	% Mass
Koh Si Chang Transhipment Area	Viscosity at 50°C	176.0**	220.5	cSt
Lome	Water	0.50*	0.65	% Volume
Manzanillo	Sulphur	0.07**	0.12	% Mass
Montevideo	Aluminium + Silicon	60*	110	mg/kg

Port Elizabeth	Water	0.50*	0.65	% Volume
Port Klang	Ash	0.070*	0.082	% Mass
Port Klang	Sodium	100*	166	mg/kg
Port Klang	Water	0.50*	2.55	% Volume
Singapore	Acid Number	2.50*	3.36	mgKOH/g
Singapore	Acid Number	2.50*	3.09	mgKOH/g
Singapore	Acid Number	2.50*	3.99	mgKOH/g
Singapore	Acid Number	2.50*	3.47	mgKOH/g
Singapore	Aluminium + Silicon	60*	106	mg/kg
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Total Sediment Potential	0.10*	0.22	% Mass
Singapore	Water	0.50*	0.65	% Volume
St Petersburg	Pour point	0*	11	oC
St Petersburg	Viscosity at 40°C	4.20**	8.18	cSt
St Petersburg	Viscosity at 50°C	354.3**	401.3	cSt
Trincomalee	Total Sediment Potential	0.10*	0.30	% Mass
Zhoushan	Water	0.50*	4.45	% 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](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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