

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

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

Information: Between 15th and 31st October 2021 FOBAS identified 32 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
Balboa	Viscosity at 50°C	377.0**	415.9	cSt
Bayport	Total Sediment Potential	0.10*	0.18	% Mass
Cochin	Density at 15°C	0.9786**	0.9951	kg/l
Cochin	Density at 15°C	0.9786**	0.9950	kg/l
Gloucester	Cetane index	40**	38	Index
Gloucester	Cetane index	40**	37	Index
Hong Kong	Water	0.50*	0.80	% Volume
Kingston	Viscosity at 50°C	312.0**	408.6	cSt
Kwang Yang	CCAI	860*	885	Index
Marcus hook	Lubricity	520*	637	um
Newabaa	Sulphur	0.04**	0.13	% Mass
Oakland	Flash point	60.0***	59.0	°C
Rotterdam	CCAI	860*	864	Index
Rotterdam	Density at 15°C	0.9060**	0.9802	kg/l
Rotterdam	Sulphur	0.02**	0.50	% Mass
Salerno	Water	0.50*	0.95	% Volume

Shekou	Water	0.50*	4.80	% Volume
Singapore	Acid Number	2.50*	3.17	mgKOH/g
Singapore	Acid Number	2.50*	3.85	mgKOH/g
Singapore	Pour point	0*	6	oC
Singapore	Pour point	0*	6	oC
Singapore	Sodium	100*	193	mg/kg
Singapore	Sodium	100*	142	mg/kg
Singapore	Water	0.50*	0.65	% Volume
Singapore	Water	0.50*	1.20	% Volume
Singapore	Water	0.50*	1.90	% Volume
St Petersburg	Water	0.50*	0.95	% Volume
Tampa	Aluminium + Silicon	60*	210	mg/kg
Trincomalee	Total Sediment Potential	0.10*	0.17	% Mass
Trincomalee	Total Sediment Potential	0.10*	0.19	% Mass
Venice	Aluminium + Silicon	60*	109	mg/kg
Venice	Total Sediment Potential	0.10*	0.19	% Mass

\*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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Southampton, United Kingdom  
Tel: +44 (0)330 414 1000  
E [fobas@lr.org](mailto:fobas@lr.org)

Redcar, United Kingdom  
Tel: +44 (0)1642 440991  
E [fobas@lr.org](mailto:fobas@lr.org)

Singapore  
Tel: +65 3163 0888  
E [fobas@lr.org](mailto:fobas@lr.org)

Athens, Greece  
Tel: +30 211 9907 732  
E [fobas@lr.org](mailto:fobas@lr.org)

Out of hours contact: Tel: +44 (0)1642 425660