

Service update: Off-specification fuel quality report

Applicability: Lloyd's Register FOBAS clients

Information: Between 15th and 31st July 2021 FOBAS identified 50 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	Sulphur	0.09**	0.12	% Mass
Baltimore	Total Sediment Potential	0.10*	0.46	% Mass
Bremen	Pour point	30*	36	oC
Busan	CCAI	870*	876	Index
Cristobal	Water	0.50*	0.65	% Volume
Fortaleza	Acid Number	2.50*	3.39	mgKOH/g
Hadong	CCAI	870*	875	Index
Hanko	Viscosity at 50°C	380.0**	396.9	cSt
Helsingborg	Flash point	60.0***	58.5	°C
Houston	Ash	0.070*	0.088	% Mass
Houston	Total Sediment Potential	0.10*	0.21	% Mass
Houston	Water	0.50*	0.70	% Volume
Jebel Ali	Sulphur	0.10**	0.12	% Mass
Khor Fakkan	Viscosity at 50°C	380.0**	402.8	cSt
Koh Si Chang Transhipment Area	Carbon residue	18.00*	19.09	% Mass
Koh Si Chang Transhipment Area	Viscosity at 50°C	380.0**	416.2	cSt

Koh Si Chang Transshipment Area	Viscosity at 50°C	352.9**	413.2	cSt
Koh Si Chang Transshipment Area	Viscosity at 50°C	352.9**	434.7	cSt
Koh Si Chang Transshipment Area	Viscosity at 50°C	380.0**	445.4	cSt
Laem Chabang	Viscosity at 50°C	350.0**	419.5	cSt
Long Beach	Density at 15°C	0.9781**	0.9772	kg/l
Luanda	Pour point	30*	36	oC
Montevideo	Aluminium + Silicon	60*	82	mg/kg
Naantali	Viscosity at 50°C	380.0**	404.7	cSt
New Orleans	Total Sediment Potential	0.10*	0.16	% Mass
New York	Ash	0.070*	0.084	% Mass
New York	Total Sediment Potential	0.10*	0.67	% Mass
New York	Total Sediment Potential	0.10*	0.18	% Mass
New York	Total Sediment Potential	0.10*	0.17	% Mass
Port Klang	Ash	0.070*	0.096	% Mass
Port Klang	Flash point	60.0***	57.7	°C
Port Klang	Sodium	100*	144	mg/kg
Port Klang	Viscosity at 50°C	49.7**	121.5	cSt
Port Klang	Water	0.50*	0.90	% Volume
Port Klang	Water	0.50*	4.25	% Volume
Port Of Spain (Trinidad)	Total Sediment Potential	0.10*	0.21	% Mass
Pusan	CCAI	870*	876	Index
Pusan	CCAI	870*	877	Index
Ravenna	Water	0.50*	1.65	% Volume
Shekou	Water	0.50*	1.40	% Volume
Singapore	Ash	0.010*	0.189	% Mass
Singapore	MCR 10% bottom	0.30*	3.65	% Mass
Singapore	Sulphur	0.09**	0.13	% Mass
Singapore	ULO	Detected	Detected	
Singapore	Water	0.50*	0.70	% Volume
St Petersburg	Density at 15°C	0.9907**	0.9920	kg/l
St Petersburg	Water	0.50*	0.70	% Volume
Ulsan	CCAI	870*	876	Index
Yeosu	CCAI	870*	875	Index

Zeebrugge	Sulphur	0.09**	0.12	% Mass
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*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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