



ISO 8217:2017

Fuel Standard for Marine Residual Fuels

Marine Residual Fuels

Characteristic	Unit	Limit	RMA 10	RMB 30	RMD 80	RME 180	RMG				RMK		
							180	380	500	700	380	500	700
Viscosity at 50 °C	mm ² /s	Max	10.00	30.00	80.00	180.0	180.0	380.0	500.0	700.0	380.0	500.0	700.0
Density at 15°C	kg/m ³	Max	920.0	960.0	975.0	991.0	991.0				1010.0		
Micro Carbon Residue	% m/m	Max	2.50	10.00	14.00	15.00	18.00				20.00		
Aluminum + Silicon	mg/kg	Max	25	40		50	60						
Sodium	mg/kg	Max	50	100		50	100						
Ash	% m/m	Max	0.040	0.070			0.100				0.150		
Vanadium	mg/kg	Max	50	150			350				450		
CCAI	-	Max	850	860			870						
Water	% V/V	Max	0.30	0.50									
Pour Point (Upper)	Summer	°C	Max	6			30						
	Winter			0			30						
Flash Point	°C	Min	60.0										
Sulphur	% m/m	Max	To comply with requirements as defined by purchaser										

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Total Sediment, Aged	% m/m	Max	0.10
Acid Number	mgKOH/g	Max	2.5
Used Lubricating Oils (ULO)	mg/kg	-	(Calcium and Zinc; or Calcium and Phosphorus) The fuel shall be free from ULO, and shall be considered to contain ULO when either one of the following conditions is met: Calcium > 30 and zinc > 15; or Calcium > 30 and phosphorus > 15.
Hydrogen Sulphide	mg/kg	Max	2.00

The above information is for informational purposes only.
 Clipper Oil assumes no responsibility for any errors or omissions.

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