



ISO 8217:2010

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	Max	°C	6		30								
	Winter			0		30								
Flash Point	°C	Min					60.0							
Sulphur	% m/m	Max	To comply with requirements as defined by purchaser											

bunkers@clipperoil.com | clipperoil.com
 2040 Harbor Island Drive, Suite 203
 San Diego, CA 92101
 USA



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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 USA