



# ISO 8217:2005

## Fuel Standard for Marine Residual Fuels

### Marine Residual Fuels

Characteristic	Unit	Limit	RMA 30	RMB 30	RMD 80	RME 180	RMF 180	RMG 380	RMH 380	RMK 380	RMH 800	RMK 700
Viscosity at 50 °C	mm <sup>2</sup> /s	Max	30.0		80.0	180.0		380.0		700.0		
Density at 15°C	kg/m <sup>3</sup>	Max	960.0	975.0	680.0	991.0		991.1		1010.0	991.0	1010.0
Micro Carbon Residue	% m/m	Max	10		14	15	20	18	22		22	
Aluminum + Silicon	mg/kg	Max	80		80	80		80		80		
Ash	% m/m	Max	0.10		0.10	0.10	0.15	0.15	0.15		0.15	
Vanadium	mg/kg	Max	150		350	200	500	300	600		600	
Water	% V/V	Max	0.50		0.5	0.5		0.5		0.5		
Pour Point (Upper)	Summer	Max	6	24	30	30		30		30		
	Winter		0	24	30	30		30		30		
Flash Point	°C	Min	60		60	60		60		60		
Sulphur	% m/m	Max	3.5		4.00	4.50		4.50		4.50		
Total Sediment, Potential	% m/m	Max	0.10		0.10	0.10		0.10		0.10		
Zinc	mg/kg	Max	15									

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Phosphorus	mg/kg	-	15
Calcium	mg/kg	Max	30

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

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