



# ISO 8217:2010

## Fuel Standard for Marine Distillate Fuels

### Marine Distillate Fuels

Characteristic	Unit	Limit	DMX	DMA	DMZ	DMB
Viscosity at 40 °C	mm <sup>2</sup> /s	Max	5.500	6.000	6.000	11.00
		Min	1.400	2.00	3.00	2.00
Density at 15°C	kg/m <sup>3</sup>	Max	-	890.0		900.0
Micro Carbon Residue at 10% Residue	% m/m	Max	0.30			-
Micro Carbon Residue	% m/m	Max	-	-	-	0.30
Sulfur	% m/m	Max	1.00	1.50		2.00
Water	% V/V	Max	-	-	-	0.30
Total Sediment by Hot Filtration	% m/m	Max	-	-	-	0.10
Ash	% m/m	Max	0.010			
Flash Point	°C	Min	43.0	60.0		
Pour Point	Winter	Max	-	-6	-6	0
	Summer		-	0	0	6
Cloud Point	°C	Max	-16	-	-	-
Cetane Index	-	Min	45	40	40	35
Acid Number	mgKOH/g	Max	0.5			
Oxidation Stability	g/m <sup>3</sup>	Max	25			
Fatty Acid Methyl Ester (FAME)	volume %	Max				
Lubricity, Corrected Wear Scar Diameter (WSD at 60 °C)	µm	Max	520			
Hydrogen Sulphide	mg/kg	Max	2.00			
Appearance	-	-	Clear & Bright			-

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