



# ISO 8217:2017

## Fuel Standard for Marine Distillate Fuels

### Marine Distillate Fuels

Characteristic		Unit	Limit	DMX	DMA	DFA	DMZ	DFZ	DMB	DFB
Viscosity at 40 °C		mm <sup>2</sup> /s	Max	5.500	6.000		6.000		11.00	
			Min	1.400	2.000		3.000		2.000	
Density at 15°C		kg/m <sup>3</sup>	Max	–	890.0		890.0		900.0	
Micro Carbon Residue at 10% Residue		% m/m	Max	0.30	0.30		0.30		–	
Micro Carbon Residue		% m/m	Max	–	–		–		0.30	
Sulfur		% m/m	Max	1.00	1.00		1.00		1.50	
Water		% V/V	Max	–	–		–		0.30	
Total Sediment by Hot Filtration		% m/m	Max	–	–		–		0.10	
Ash		% m/m	Max	0.010	0.010		0.010		0.010	
Flash Point		°C	Min	43.0	60.0		60.0		60.0	
Pour Point	Winter	°C	Max	–	-6		-6		0	
	Summer			–	0		0		6	
Cloud Point	Winter	°C	Max	-16	Report		Report		–	
	Summer			-16	–		–		–	
Cold Filter Plugging Point	Winter	°C	Max	–	Report		Report		–	
	Summer			–	–		–		–	
Cetane Index		–	Min	45	40		40		35	
Acid Number		mgKOH/g	Max	0.5	0.5		0.5		0.5	
Oxidation stability		g/m <sup>3</sup>	Max	25	25		25		25	
Fatty Acid Methyl Ester (FAME)		volume %	Max	–	–	7.0	–	–	–	7.0
Lubricity, Corrected Wear Scar Diameter (WSD at 60 °C)		µm	Max	520	520		520		520	
Hydrogen Sulphide		mg/kg	Max	2.00	2.00		2.00		2.00	
Appearance				Clear and Bright						–

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