



ISO 8217:2012

Fuel Standard for Marine Distillate Fuels

Marine Distillate Fuels

Characteristic	Unit	Limit	DMX	DMA	DMZ	DMB
Viscosity at 40 °C	mm ² /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 ³	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	1.50	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	0.010	0.010	0.010
Flash Point	°C	Min	43.0	60.0	60.0	60.0
Pour Point	Winter	Max	–	-6	-6	0
	Summer					
Cloud Point	°C	Max	-16	–	–	–
Cetane Index	–	Min	45	40	40	35
Acid Number	mgKOH/g	Max	0.5	0.5	0.5	0.5
Oxidation stability	g/m ³	Max	25	25	25	25
Lubricity, Corrected Wear Scar Diameter (WSD at 60 °C)	µm	Max	520	520	520	520
Appearance	–	–	Clear & Bright			–

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