



TREFOIL

TRADING BV

ISO 8217 2010

FUEL STANDARD

MARINE DISTILLATE FUELS

Parameter	Unit	Limit	DMX	DMA	DMB	DMZ
Density (at 15 °C)	kg/m ³	Max	-	890.0	900.0	890.0
Viscosity (at 40 °C)	mm ² /s	Max	5.5	6.0	11.0	6.0
Viscosity (at 40 °C)	mm ² /s	Min	1.4	2.0	2.0	3.0
Micro Carbon Residue at 10%Residue	% m/m	Max	0.30	0.30	-	0.30
Micro Carbon Residue	% m/m	Max	-	-	0.30	-
Water	% V/V	Max	-	-	0.30	-
Sulfur *	% (m/m)	Max	1.0	1.5	2.0	1.5
Total Sediment Existent	% m/m	Max	-	-	0.10	-
Ash	% m/m	Max	0.01	0.01	0.01	0.01
Aluminium + Silicon	mg/kg	Max	-	-	-	25
Flash point	°C	Min	43	60	60	60
Pour point, Summer	°C	Max	-	0	6	0
Pour point, Winter	°C	Max	-	-6	0	-6
Cloud point	°C	Max	-16	-	-	-
Calculated Cetane Index		Min	45	40	35	40
Appearance			Clear & Bright			
Acid number	mgKOH/g	Max	0.5	0.5	0.5	0.5
Oxidation Stability	g/m ³	Max	25	25	25	25
Hydrogen Sulphide	mg/kg	Max	2.0	2.0	2.0	2.0
Lubricity, corrected wear scar diameter (wsd 1.4 at 60°C)	um	Max	520	520	520	520