



TREFOIL

TRADING BV

ISO 8217 2005

FUEL STANDARD

MARINE DISTILLATE FUELS

Parameter	Unit	Limit	DMX	DMA	DMB	DMZ
Density (at 15 °C)	kg/m ³	Max	-	890.0	920.0	900
Viscosity (at 40 °C)	mm ² /s	Max	5.5	6.0	14	11
Viscosity (at 40 °C)	mm ² /s	Min	1.4	1.5	-	-
Micro Carbon Residue at 10%Residue	% m/m	Max	0.30	0.30	-	-
Micro Carbon Residue	% m/m	Max	-	-	2.5	0.30
Water	% V/V	Max	-	-	0.30	0.30
Sulfur *	% (m/m)	Max	1.0	1.5	2.0	2.0
Total Sediment Existent	% m/m	Max	-	-	0.10	0.10
Ash	% m/m	Max	0.01	0.01	0.05	0.01
Flash point	°C	Min	43	60	60	60
Pour point, Summer	°C	Max	-	0	6	6
Pour point, Winter	°C	Max	-	-6	0	0
Cloud point	°C	Max	-16	-	-	-
Calculated Cetane Index		Min	45	40	-	35
Appearance			Clear & Bright			
Vanadium	mg/kg	Max	-	-	100	-
Aluminium + Silicon	mg/kg	Max	-	-	25	-
Zinc	mg/kg	Max	-	-	15	-
Phosphorus	mg/kg	Max	-	-	15	-
Calcium	mg/kg	Max	-	-	30	-