

ISO 8217 2005 FUEL STANDARD FOR MARINE DISTILLATE FUELS

MARINE DISTILLATE FUELS

Limit	Parameter	DMX	DMA	DMZ	DMB
Max.	Viscosity at 40 °C (mm²/s)	5.5	6.0	11.0	14.0
Min.	Viscosity at 40 °C (mm²/s)	1.4	1.5	-	-
Max.	Micro Carbon Residue at 10% Residue (% m/m)	0.30	0.30	-	-
Max.	Density at 15 °C (kg/m3)	-	890.0	900.0	920.0
Max.	Micro Carbon Residue (% m/m)	-	-	0.30	2.50
Max.	Sulfur (% m/m)	1.0	1.5	2.0	2.0
Max.	Water (% V/V)	-	-	0.3	0.3
Max.	Total Sediment Existent (% m/m)	-	-	0.10	0.10
Max.	Ash (% m/m)	0.01	0.01	0.01	0.05
Min.	Flash point (°C)	43	60	60	60
Max.	Pour point in Summer (°C)	-	0	6	6
Max.	Pour point in Winter (°C)	-	-6	0	0
Max.	Cloud point (°C)	-16	-	-	-
Min.	Calculated Cetane Index	45	40	35	-
Max.	Vanadium (mg/kg)	-	-	-	100
Max.	Aluminium + Silicon (mg/kg)	-	-	-	25
Max.	Zinc (mg/kg)	-		-	15
Max.	Phosphorus (mg/kg)	-		-	15
Max.	Calcium (mg/kg)	-		-	30
	Appearance	Clear & Bright		-	-

The above is a service for informational purposes only.



ISO 8217 2005 FUEL STANDARD FOR MARINE RESIDUAL FUELS

MARINE RESIDUAL FUELS

Limit	Parameter	RMA 30	RMB 30	RMD 80	RME 180	RMF 180	RMG 380	RMH 380	RMK 380	RMH 700	RMK 700
Max.	Viscosity at 50°C (mm^2/s)	30.0		80.0	180.0		380.0			700.0	
Max.	Density at 15°C (kg/m^3)	960.0	975.0	980.0	991.0		991.1		1010.0	991.0	1010.0
Max.	Micro Carbon Residue (% m/m)	10		14	15	20	18	22		22	
Max.	Aluminium + Silicon (mg/kg)	80		80	80		80			80	
Max.	Ash (% m/m)	0.10		0.10	0.10	0.15	0.15	0.15		0.15	
Max.	Vanadium (mg/kg)	150		350	200	500	300	600		600	
Max.	Water (% V/V)	0.50		0.5	0.5		0.5			0.5	
Max.	Pour point in Summer (°C)	6	24	30	30		30			30	
Max.	Pour point in Winter (°C)	0	24	30	30		30			30	
Min.	Flash point (°C)	60		60	60		60			60	
Max.	Sulphur (% m/m)	3.5		4.00	4.50		4.50			4.50	
Max.	Total Sediment, Potential (% m/m)	0.10		0.10	0.10		0.10			0.10	
Max.	Zinc (mg/kg)	15									
Max.	Phosphorus (mg/kg)	15									
Max.	Calcium (mg/kg)	30									

The above is a service for informational purposes only.