



ISO 8217:2012 (E)

Table 1 - Residual marine fuels

Characteristic	Unit	Limit	Category ISO-F-	Test method reference	
			DMA		
Kinematic viscosity at 40 °C	mm ² /s	max.	6,000	ISO 3104	
		min.	2,000		
Density at 15 °C	kg/m ³	max.	890,0	see 7.1 ISO 3675 or ISO 12185	
Cetane index	-	min.	40	ISO 4264	
Sulfur	mass %	max.	Statutory requirements	see 7.2 ISO 8754 ISO 14596	
Flash point	°C	min.	60,0	see 7.3 ISO 2719	
Hydrogen sulfide	mg/kg	max.	2,00	see 7.11 IP 570	
Acid number	mg KOH/g	max.	0,5	ASTM D664	
Total sediment by hot filtration	mass %	max.	-	see 7.4 ISO 10307-1	
Oxidation stability	g/m ³	max.	25	ISO 12205	
Carbon residue: micro method on the 10% volume distillation residue	mass %	max.	0,30	ISO 10370	
Carbon residue: micro method	mass %	max.	-	ISO 10370	
Cloud point	°C	max.	-	ISO 3015	
Pour point (upper)	winter quality	°C	max.	-6	ISO 3016
	summer quality	°C	max.	0	ISO 3016
Water	volume %	max.	-	ISO 3733	
Ash	mass %	max.	0,010	ISO 6245	
Lubricity, corrected wear scar diameter (wsd 1,4) at 60 °C	µm	max.	520	ISO 12156-1	