



Distillate Fuel Standard

ISO 8217 - 2012

Characteristic	Unit	Limit	DMA	Test method reference
Kinematic viscosity at 40 °C	mm ² /s ^a	max.	6,0	ISO 3104
		min	2,0	
Density at 15 °C	kg/m ³	max.	890,0	ISO 3675 or ISO 12185
Cetane Index	--	min.	40,0	ISO 4264
Sulfur	mass%	max.	1,50	ISO 8754 or ISO 14596
Flash point	°C	min.	60	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.	0,00	ISO 10307-1
Oxidation Stability	g/mc	max.	25,00	ISO 12205
Carbon residue micro method (on 10% volume distillation residue)	mass%	max.	0,3	ISO 10370
Pour point (upper) - summer quality	°C	max.	- 6	ISO 3016
- winter quality		max.	0	ISO 3016
Appearance (a)	Clear and bright			
Ash	mass%	max.	0,01	ISO 6245
Water	%(V/V)	max.	--	ISO 3733
Ash	mass%	max.	0,01	ISO 6245
Lubricity	um	max.	520,00	ISO 12156-1

(a). In the circumstances when bright and clear is not compliant, the water content shall not exceed 200 mg/kg, as determined by Coulometric Karl Fisher titration method in accordance with ISO 12937.