

Quality Specifications of Low Sulphur Fuel Oil (LSFO 0.5%)

[Conforms to ISO 8217 : 2017 standard]

Characteristics	Test Method*	Unit	Limit	
			RMG 380	RMG 180
Kinematic Viscosity at 50°C	ISO 3104	cSt	Max 380	Max 180
Density at 15°C	ISO 3675 or 12185	Kg/m ³	Max 991.0	Max 991.0
CCAI	Calculated	-	Max 860	Max 860
Sulphur	ISO 8754 or 14596; ASTM D4294	% mass	Max 0.5%	Max 0.5%
Flash Point	ISO 2719	°C	Min 66.0	Min 66.0
Hydrogen Sulfide	IP 570	Mg/kg	Max 2.0	Max 2.0
Acid Number	ASTM D664	Mg KOH/g	Max 2.5	Max 2.5
Total Sediment – Aged	ISO 10307-2	% mass	Max 0.10	Max 0.10
Carbon Residue – Micro method	ISO 10370	% mass	Max 18.0	Max 18.0
Pour Point	ISO 3016	°C	Max 30.0	Max 30.0
Water	ISO 3733	% vol	Max 0.50	Max 0.50
Ash	ISO 6245	% mass	Max 0.1	Max 0.1
Vanadium	IP 501 or 470; ISO 14597	Mg/kg	Max 350	Max 350
Sodium	IP 501 or 470	Mg/kg	Max 100	Max 100
Aluminium + Silicon	IP 501 or 470; ISO 10478	Mg/kg	Max 60	Max 60
Used Lubrication Oil				
- Calcium and Zinc; or	IP 501 or 470 or 500	Mg/kg	Ca >30 & Zn >15	
- Calcium and Phosphorus		Mg/kg	Ca >30 & P >15	

* Equivalent test methods from IS, ISO & IP shall also be applicable.