

Annexure 01

Interocean Energy (Pvt) Ltd- Specifications for HSFO (3.50% Max. Sulphur)

Characteristic	Unit	Limit	RMG 380	Test method reference
Density at 15 °C	Kg/m ³	max	991.0	ISO 3675-1998
Kinematic viscosity at 50 °C	cSt	max	380	ISO 3104-2023
CCAI	-	max	870	Calculated
Flash point	°C	min	60.0	ISO 2719- 2016/AMD1(2021)
Hydrogen Sulfide	mg/kg	max	2.00	IP 570B
Acid Number	mgKOH/g	max	2.5	ASTM D664-18E2
Pour point (upper) -winter quality -summer quality	°C	max max	30 30	ISO 3016-2019 ISO 3016-2019
Carbon residue-Micro method	mass%	max	18.00	ISO 10370-2014
Ash	mass%)	max	0.100	ISO 6245-2001
Water	Vol %	max	0.50	ISO 3733-1999
Sulfur	mass%	max	3.50	ISO 8754-2003
Vanadium (V)	mg/kg	max	350	IP 501/05/2019
Sodium (Na)	mg/kg	max	100	IP 501/05/2019
Total sediment Potential	mass%	max	0.10	ISO 10307-01-2009
Aluminium plus silicon	mg/kg	max	60	IP 501/05/2019
Used lubricating oil (ULO) Calcium (Ca) and Zinc (Zn) Or Calcium (Ca) and Phosphorus(P)	mg/kg		Ca>30 & Zn>15 Or Ca>30 & P>15	IP 501/05/2019

Metals to report

NOTE : Fuel shall be free of Used Lubricating Oil (ULO)
The Test Method shall be ISO or relevant ASTM method.