

Accreditation Scope

Intertek Fujairah FZC, NAL 026
Testing Laboratory, (ISO/IEC 17025:2017)
Fujairah Free Zone, Fujairah, UAE

Issue Date: 07-01-2021
Issue No: 06

Expiry Date: 20-10-2023

Testing Field	Materials/ Products tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
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Chemical	Residual Fuel Oil	Kinematic Viscosity at 50°C 10 - 5000 cSt	ASTM D445-19a, IP 71-2017, ISO 3104:1994	P
		Density at 15°C 0.6000 - 1.100	IP 365-2004, ISO 12185:1996	
		Water Content 0 - 25	ASTM D95-13(2018), IP 74-2014, ISO 3733:1999	
		Ash Content at 775°C 0.001 - 0.180	IP 4-2012, ASTM D482-19, ISO 6245:2001	
		Micro Carbon Residue 0.10 - 30.0	ASTM D4530-15(2020)	
		Sulphur Content 0.0017 - 4.6	ASTM D4294-16 ^{e1}	
		Total Sediment Accelerated Up to 0.50	IP 390-B-2011, ISO 10307-2:1993	
		Total Sediment Potential Up to 0.50	IP 390-A-11, ISO 10307-1:1993	
		Pour Point	IP 15-2017, ASTM D97-17b, ISO 3016:1994	

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Chemical	Residual Fuel Oil	Flash Point 40.0 - >120.0	IP 34-16, ASTM D93-20, ISO 2719:2002	P
		Aluminum 5.0 - 150.0	IP 501-05	
		Silicon 10 - 250	IP 501-05	
		Vanadium 1 - 400	IP 501-05	
		Sodium 1 - 100	IP 501-05	
		Iron 2 to 60	IP 501-05	
		Phosphorus 1 to 60	IP 501-05	
		Calcium 3 to 100	IP 501-05	
		Nickel 1 to 100	IP 501-05	
		Zinc 1 to 70	IP 501-05	

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Chemical	Gas Oil (DMA)	Colour / Appearance	ASTM D4176-04(2019)	P
		Kinematic Viscosity at 40 °C 0.2 - 5000	ASTM D445-19a, IP 71-2004, ISO 3104:1994	
		Density at 15 °C 0.6000 - 1.100	IP 365-2004, ISO 12185:1996	
		Water Content 0 - 25	ASTM D95-13(2018), IP 74-2014, ISO 3733:1999	
		Ash Content at 775 °C 0.001 - 0.180	IP 4-2012, ASTM D482-19, ISO 6245:2001	
		Micro Carbon Residue 0.10 - 30.0	ASTM D4530-15	
		Sulphur Content 0.0017 - 4.6	ASTM D4294-16 ^{e1}	
		Cold Filter Plugging Point	IP 309-2016	
		Pour Point	IP 15-2017, ASTM D97-17b, ISO 3016:1994	
		Flash Point 40.0 - >120.0	IP 34-16, ASTM D93-20, ISO 2719:2002	

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Chemical	Gas Oil (DMA)	Acid Number 0.10 to 150	ASTM D664-18 ^{e2}	P
		Hydrogen Sulphide 0.40 - 15	IP 570-15	
		Cetane Index	ASTM D4737-10(2016)	
		Distillation 30 - 400	ASTM D86-20b	
	Fuel Oil	Acid Number 0.10 to 150	ASTM D664-18 ^{e2}	
		Hydrogen Sulphide 0.40 - 15	IP 570-15	
		CCAI	ISO 8217:2010 Annex F	
	Gas Oil	Density at 20°C 0.6000 - 1.100	ASTM D4052-18a	
	Mogas	Density at 20°C 0.6000 - 1.100	ASTM D4052-18a	
		Sulphur Content 0 - 1000	ASTM D5453-19a	
		Distillation 30 - 400	ASTM D86-20b	
	Chemical	Mogas	Octane Number, Research	

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		40- 100		
		Octane Number, Motor 40 -100	ASTM D2700-19	
		Reid Vapor Pressure 0 - 26	ASTM D323-20 Procedure A	
		Copper Corrosion	ASTM D130-19	
		Oxidation Stability	ASTM D525-12a(2019)	
	Crude Oil	Density at 15°C 0.6000 - 1.100	ASTM D5002-19	
		Kinematic Viscosity at 40°C 0.2 - 5000	ASTM D445-19a, IP 71-2004, ISO 3104:1994	
		Sulphur Content 0.0017 - 4.6	ASTM D4294-16 ^{e1}	
		Sediment by Extraction	ASTM D473-07(2017)e1	
		B.S&W 1000-2800 rpm	ASTM D4007-11(2016) ^{e1}	
		Water Content 0 - 25	ASTM D4006-16 ^{e1}	
	END			