



Accreditation Document
GEO CHEM MIDDLE EAST Laboratory, NAL 010
Testing Lab, Techno Park, Jabel Ali, Dubai

SCOPE OF ACCREDITATION			
#	Test Material /Matrix	Description of the Test	Tested Method/Standard
1.	Transformer oil	Kinematic Viscosity	ASTM D 445
		Sulfur In Petroleum (X-Ray)	ASTM D 4294
		Pour Point	ASTM D 97
		Flash Point (Pensky-Martens) Closed Cup Tester	ASTM D 93
		Density and Relative Density of Liquid	ASTM D 4052
		Interfacial Tension of Oil against Water	ASTM D 971
		Corrosive Sulfur	ASTM D 1275
		Specific Resistance (Resistivity)	ASTM D 1169
		ASTM Color	ASTM D 1500
		Dissipation Factor	ASTM D 924
		Acid and Base Number	ASTM D 974
		Sludge and Sediment	IEC 61125
		Oxidation Stability	IEC 61125
		Water Content K.F.	IEC 60814
		Dielectric Dissipation Factor	IEC 60247
		Breakdown Voltage	IEC 60156
		Anti-Oxidant Additives	IEC 60666
		Furanic Compounds (HPLC)	ASTM D 5837
		PCB	ASTM D 4059
		Gases Dissolved	ASTM D 3612





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2.	Gas	Analysis of Natural Gas	ASTM D 1945
		Analysis of Natural Gas	GPA 2286
3.	Lubricant oil	Kinematic Viscosity @ 40°C	ASTM D 445
		Kinematic Viscosity @ 100°C	ASTM D 445
		Flash Point	ASTM D 92
		Flash Point	ASTM D 93
		Flash Point	ASTM D 3828
		Wear Metals	ASTM D 5185
		Insoluble	ASTM D 893
		Particle Count	ISO 4406
		Total Acid Number	ASTM D 974
		Total Base Number	ASTM D 2896
		Water Content	ASTM D 95
		Water content	ASTM D 6304
4.	Aviation Fuel	Visual Appearance	Visual
		Colour , Saybolt	ASTM D 156
		Colour	ASTM D 6045
		Particulate contamination	ASTM D 5452
		Particulate	IP 564
		≥4µm (c)	IP 564
		≥6µm (c)	IP 564
		≥14µm (c)	IP 564
		≥21µm (c)	IP 564
		≥25µm (c)	IP 564
		≥30µm (c)	IP 564
		Total Acidity	ASTM D 3242
		Aromatics,	ASTM D 1319
		Total Sulphur	ASTM D 4294





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	Aviation Fuel	Mercaptan Sulphur	ASTM D 3227
		Doctor Test	ASTM D 4952
		Distillation	ASTM D86
		IBP	ASTM D86
		10% Volume @ °C	ASTM D86
		50% Volume @ °C	ASTM D86
		90% Volume @ °C	ASTM D86
		End Point @ °C	ASTM D86
		Residue % Vol	ASTM D86
		Loss % vol	
		Flash Point , °C	IP 170
		Density @ 15°C kg/M ³ (Vac)	ASTM D 1298
		Density @ 15°C kg/M ³ (Vac)	ASTM D 4052
		Freezing Point	ASTM D 2386
		Viscosity at- 20°C, cst (mm ² /s)	ASTM D 445
		Specific Energy, net MJ/kg	ASTM D 3338
		Smoke Point, mm	ASTM D 1322
		Naphthalenes, % vol	ASTM D 1840
		Corr. Copper Strip Classification	ASTM D 130
		Thermal Stability (JFTOT)	
		Control	ASTM D 3241
		Control Temp. °C	
		Filter pressure differential	ASTM D 3241
		Tube deposit rating	ASTM D 3241
		Existent Gum mg/100 ml	IP 540
		Microseparometer (MSEP), rating	ASTM D 3948
		Electrical Conductivity/ps/m	ASTM D 2624

END




Program Manager's signature