



CERTIFICATE OF ACCREDITATION

This is to attest that

ENERGY DISTRIBUTOR LAB FOR MEASUREMENT AND CALIBRATION

KING ABDUL AZIZ ROAD – AL ARID DISTRICT – NEAR SAAD BIN MOUAATH MOSQUE, PO BOX 423
RIYADH, 11372, KINGDOM OF SAUDI ARABIA

Testing Laboratory TL-738

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 15, 2024



A handwritten signature in black ink that reads "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

ENERGY DISTRIBUTOR LAB FOR MEASUREMENT AND CALIBRATION

Contact Name Marwan Darwish

Contact Phone +966-559469635

Accredited to ISO/IEC 17025:2017

Effective Date June 15, 2024

Chemical	
ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D120	Standard Specification for Rubber Insulating Gloves (only Section 18.4.2 AC Proof Test)
ASTM D445	Standard Test Method Kinematic Viscosity
ASTM D664	Standard Test Method for Total Acid Number (TAN)
ASTM D877	Dielectric Breakdown Voltage (2.54mm gap) in Electrical Insulating Oil
ASTM D924	Standard Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids (only Test Method for Dissipation Factor (or Power Factor))
ASTM D971	Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method
ASTM D974	Standard Test Method for Acid and Base Number by Color-Indicator Titration
ASTM D1275	Standard Test Method for Corrosive Sulfur in Electrical Insulating Liquids
ASTM D1500	Standard Test Method ASTM Color
ASTM D1533	Standard Test Method for Water or Moisture Content Analysis in Electrical Insulating Oil
ASTM D1698	Standard Test Method for Sediments
ASTM D1816	Standard Test Method Dielectric Breakdown Voltage (1mm, 2mm gap)
ASTM D2112	Standard Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel
ASTM D2272	Standard Test Method for Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel
ASTM D2273	Standard Test Method for Trace Sediment
ASTM D2440	Standard Test Method for Oxidation Stability of Mineral Insulating Oil
ASTM D2500	Standard Test Method for Cloud Point Analysis

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ASTM D2624	Standard Test Method for Thermal Conductivity
ASTM D2668	Standard Test Method for 2,6-di-tert-Butyl- p-Cresol and 2,6-di-tert-Butyl Phenol in Electrical Insulating Oil by Infrared Absorption
ASTM D3612	Standard Test Method for Dissolved Gas Analysis in Electrical Insulating Oil by Gas Chromatography - Method C
ASTM D4052	Standard Test Method for Density, Relative Density, API Gravity of Liquids by Digital Meter
ASTM D4059	Standard Test Method for PCB Content Analysis
ASTM D4294	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry
ASTM D5837	Standard Test Method for Furanic Compounds in Electrical Insulating Liquids by High-Performance Liquid Chromatography (HPLC)
ASTM D5845	Standard Test Method for Determination of MTBE by Infrared Spectroscopy
ASTM D6217	Standard Test Method for Particulate Contamination in Middle Distillate Fuels by Laboratory Filtration ¹
ASTM DM6892 – 1C	Standard Test Method for Pour Point Analysis
ASTM D7279	Standard Test Method Kinematic Viscosity
Eralytics Eraspec FTIR (Correlates ASTM D2699 & D2770)	Test Method for RON & MON in Fuel by Infrared Spectrometer
IEC 60156	Insulating Liquids – Determination of the Breakdown Voltage at Power Frequency – Test Method
IEC 60247	Insulating Liquids: Measurement of relative permittivity, Dielectric Dissipation factor (TAN δ) and DC Resistivity @ 90°C (only Dielectric Dissipation factor (TAN δ) @ 90°C)
IEC 60296	Standard Test Method for Visual Appearance
IEC 60666 – Annex B	Analysis method for determination of passivators in mineral oils by HPLC
IEC 60814	Determination of water by Automatic coulometric Karl Fischer Titration
IEC 62535	Standard Test Method for Corrosive Sulfur
IEC 62697	Standard Test Method for DBDS Analysis
ISO 4406 (1999)	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles
NAS 1638	Particle Contamination in fluids (Class Code)
WI STD.OIL.013	Covered Copper Test for Covered Conductor Deposition Test (CCD)

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