



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

NORTHERN AREA PRODUCING LABORATORIES DIVISION

SAUDI ARAMCO
TANAJIB 31311, SAUDI ARABIA

Testing Laboratory TL-747

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 April 19, 2025



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

NORTHERN AREA PRODUCING LABORATORIES DIVISION

Contact Name Abdullah J. Al-Marri

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Accredited to ISO/IEC 17025:2017

Effective Date April 19, 2025

Crude Oil, Petroleum Products and Water Analysis	
APHA 2130 B	Turbidity of Water using Nephelometric Method
APHA 2320 B	Alkalinity of Water by Potentiometric Titration
APHA 2340	Hardness in Water
APHA 2540 B	Total Solids Dried at 103-105°C
APHA 2540 C	Total Dissolved Solids Dried at 180°C
APHA 2540 D	Total Suspended Solids Dried at 103-105°C
APHA-3120	Metals by Plasma Emission Spectroscopy
APHA 3500-Ca	Calcium (EDTA Titrimetric Method)
APHA 4110.B	Determination of Anions by Ion Chromatography
APHA 4500 CL (D)	Chloride in Water by Potentiometric Titration
APHA 4500-NH3 (C)	Nitrogen (Ammonia) Titrimetric Method
APHA 4500-F (D)	Fluoride (SPADNS Method)
APHA 4500-P	Phosphate in Water and Wastewater
APHA 5210	Biological Oxygen Demand (BOD)
ASTM D92	Standard Test Methods for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D93	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester
ASTM D516	Standard Test Methods for Sulfates ion in Water
ASTM D664	Acid Number of Petroleum Products by Potentiometric Titration
ASTM D892	Foaming Characteristics of Lubricating Oils
ASTM D893	Insoluble in Used Lubricating Oils
ASTM D1125	Standard Test Methods for Electrical Conductivity and Resistivity of Water
ASTM D1252 B	Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water
ASTM D1293	Standard Test Methods for pH of Water
ASTM D1426	Ammonia Nitrogen in Water

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ASTM D1945	For Analysis of Natural Gas by Gas Chromatography
ASTM D1976	Elements in Water by Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy
ASTM D2272	Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel
ASTM D2896	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration
ASTM D3230	Standard test method for salts in crude oil
ASTM D3590	Standard test method for Total Kjeldahl Nitrogen in Water (Method A)
ASTM D4007	Standard test method for water and sediment in crude oil by the centrifuge method (laboratory procedure)
ASTM D4327	Standard Test Method for Anions in Water by Suppressed Ion Chromatography
ASTM D4839	Total Carbon and Organic Carbon in Water by Ultraviolet, or Persulfate Oxidation, or Both, and Infrared Detection
ASTM D5002	Standard test method for density and relative density of crude oils by digital density analyzer
ASTM D5185	Multielement Determination of Used and Unused Lubricating Oils and Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)
ASTM D5452	Particulate Contamination in Aviation Fuels by Laboratory Filtration
ASTM D 6045	Color of Petroleum Products by the Automatic Tristimulus Method
ASTM D6304	Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration
ASTM D6377	Standard test method for determination of vapor pressure of crude oil: VPCR _x (expansion method)
ASTM D6595	Standard Test Methods for Determination of Wear Metals and Contaminants in Used Lubricating Oils or Used Hydraulic Fluids by Rotating Disc Electrode Atomic Emission Spectrometry
ASTM D7042	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)
ASTM D7647	Standard Test Method for Automatic Particle Counting of Lubricating and Hydraulic Fluids Using Dilution Techniques to Eliminate the contribution of Water and Interfering Soft Particles by Light Extinction
ASTM D7678	Total Oil and Grease (TOG) and Total Petroleum Hydrocarbons (TPH) in Water and Wastewater Phosphate in Water and Waste Water
ASTM D8083	Standard Test Method for Total Nitrogen, and Total Kjeldahl Nitrogen (TKN) by Calculation, in Water by High Temperature Catalytic Combustion and Chemiluminescence Detection
ASTM E203	Standard Test Method for Water Using Volumetric Karl Fischer Titration
ISO 11500	Hydraulic fluid power - Determination of the particulate contamination level of a liquid sample by automatic particle counting using the light-extinction principle.
Method 8008(HACH)	Total Iron in Water and Waste water

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Method 8027 (HACH)	Cyanide in Water & Wastewater
Method 8039 (HACH)	Nitrate in Water & Wastewater
Method 8047 (HACH)	Phenols in Water & Wastewater
Method 8051 (HACH)	Sulfate in Water & Wastewater
Method 8114 (HACH)	Phosphorus, Reactive (Orthophosphate) in Water & Wastewater
Method 8153(HACH)	High range Nitrite in Water (NO3)
Method 8282(HACH)	Low Range Silica in Water
Method 8374(HACH)	Low Range Hardness in Water
Method 8507(HACH)	Low range Nitrite in Water (NO3)

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