

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 41

Legal Name of Accredited Laboratory:	InnoTech Alberta Inc. FUELS & LUBRICANTS GROUP
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SCC File Number:	15065
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical
Initial Accreditation:	1987-08-13
Most Recent Accreditation:	2021-04-04
Accreditation Valid to:	2023-08-13

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.

Note: This scope of accreditation is also available in French as a separately issued document.

NON-METALLIC MINERALS AND PRODUCTS

Petroleum Refinery Products (including asphalt materials, petrochemicals, fuels and lubricants):

(Coolants, Additives and Solvents)

Fuels and Lubricants

(Fuels and Fuel Oils)

(Lubricating and Insulating Oils, Greases)

ASTM D1094	Standard Test Method for Water Reaction of Aviation Fuels
ASTM D1159	Standard Test Method for Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration
ASTM D1160	Standard Test Method for Distillation of Petroleum Products at Reduced Pressure
ASTM D130	Standard Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test
ASTM D1319	Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption
ASTM D1322	Standard Test Method for Smoke Point of Kerosene and Aviation Turbine Fuel
ASTM D1796	Standard Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)
ASTM D1840	Standard Test Method for Naphthalene Hydrocarbons in Aviation Turbine Fuels by Ultraviolet Spectrophotometry
ASTM D2386	Standard Test Method for Freezing Point of Aviation Fuels
ASTM D2500	Standard Test Method for Cloud Point of Petroleum Products
ASTM D2624	Standard Test Methods for Electrical Conductivity of Aviation and Distillate Fuels
ASTM D2699	Standard Test Method for Research Octane Number of Spark-Ignition Engine Fuel
ASTM D2700	Standard Test Method for Motor Octane Number of Spark-Ignition Engine Fuel
ASTM D2709	Standard Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge
ASTM D2887	Standard Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography
ASTM D3227	Standard Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method)
ASTM D3231	Standard Test Method for Phosphorus in Gasoline
ASTM D3241	Standard Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (JFTOT Procedure)
ASTM D3242	Standard Test Method for Acidity in Aviation Turbine Fuel

ASTM D3341	Standard Test Method for Lead in Gasoline-Iodine Monochloride Method
ASTM D381	Standard Test Method for Gum Content in Fuels by Jet Evaporation
ASTM D3828	Standard Test Methods for Flash Point by Small Scale Closed Tester
ASTM D3831	Standard Test Method for Manganese in Gasoline By Atomic Absorption Spectroscopy
ASTM D4007	Standard Test Method for Water and Sediment in Crude Oil by Centrifuge Method
ASTM D4052	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter
ASTM D4176	Standard Test Method for Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures)
ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)
ASTM D4530	Standard Test Method for Determination of Carbon Residue (Micro Method)
ASTM D4629	Standard Test Method for Trace Nitrogen in Liquid Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection
ASTM D482	Standard Test Method for Ash from Petroleum Products
ASTM D4809	Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Precision Method)
ASTM D4870	Standard Test Method for Determination of Total Sediment in Residual Fuels
ASTM D4928	Standard Test Methods for Water in Crude Oils by Coulometric Karl Fischer Titration
ASTM D4952	Standard Test Method for Qualitative Analysis for Active Sulfur Species in Fuels and Solvents (Doctor Test)
ASTM D5001	Standard Test Method for Measurement of Lubricity of Aviation Turbine Fuels by the Ball-On-Cylinder Lubricity Evaluator (BOCLE)
ASTM D5002	Standard Test Method for Density and Relative Density, and API Gravity of Crude Oils by Digital Density Analyzer
ASTM D5006	Standard Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels
ASTM D5191	Standard Test Method for Vapor Pressure of Petroleum Products and Liquid Fuels (Mini Method)
ASTM D524	Standard Test Method for Ramsbottom Carbon Residue of Petroleum Products
ASTM D525	Standard Test Method for Oxidation Stability of Gasoline (Induction Period Method)
ASTM D5291	Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants
ASTM D5452	Standard Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration

ASTM D5453	Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence
ASTM D56	Standard Test Method for Flash Point by Tag Closed Cup Tester
ASTM D5773	Standard Test Method for Cloud Point of Petroleum Products and Liquid Fuels (Constant Cooling Rate Method)
ASTM D5949	Standard Test Method for Pour Point of Petroleum Products (Automatic Pressure Pulsing Method)
ASTM D5972	Standard Test Method for Freezing Point of Aviation Fuels (Automatic Phase Transition Method)
ASTM D613	Standard Test Method for Cetane Number of Diesel Fuel Oil
ASTM D6304	Standard Test Method for 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 D6379	Standard Test Method for Determination of Aromatic Hydrocarbon Types in Aviation Fuels and Petroleum Distillates—High Performance Liquid Chromatography Method with Refractive Index Detection
ASTM D6468	Standard Test Method for High Temperature Stability of Middle Distillate Fuels
ASTM D6584	Standard Test Method for Determination of Total Monoglycerides, Total Diglycerides, Total Triglycerides, and Free and Total Glycerin in B-100 Biodiesel Methyl Esters by Gas Chromatography
ASTM D664	Standard Test Method for Acid Number of Petroleum Products by Potentiometric Titration
ASTM D7039	Standard Test Method for Sulfur in Gasoline and Diesel Fuel, Jet Fuel, Kerosine, Biodiesel, Biodiesel Blends, and Gasoline-Ethanol Blends by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry
ASTM D7042	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)
ASTM D7111	Standard Test Method for Determination of Trace Elements in Middle Distillate Fuels by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)
ASTM D7169	Standard Test Method for Boiling Point Distribution of Samples with Residues such as Crude Oils and Atmospheric and Vacuum Residues by High Temperature Gas Chromatography
ASTM D7224	Standard Test Method for Determining Water Separation Characteristics of Kerosine-Type Aviation Turbine Fuels Containing Additives by Portable Separometer
ASTM D7371	Standard Test Method for Determination of Biodiesel (Fatty Acid Methyl Esters) Content in Diesel Fuel Oil Using Mid Infrared Spectroscopy (FTIR-ATR-PLS Method)

ASTM D7501	Standard Test Method for Determination of Fuel Filter Blocking Potential of Biodiesel (B100) Blend Stock by Cold Soak Filtration Test (CSFT)
ASTM D7688	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR) by visual Observation
ASTM D7900	Standard Test Method for Determination of Light Hydrocarbons in Stabilized Crude Oils by Gas Chromatography
ASTM D8003	Standard Test Method for Determination of Light Hydrocarbons and Cut Point Intervals in Live Crude Oils and Condensates by Gas Chromatography
ASTM D8045	Standard Test Method for Acid Number of Crude Oils and Petroleum Products by Catalytic Thermometric Titration
ASTM D86	Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure
ASTM D873	Standard Test Method for Oxidation Stability of Aviation Fuels (Potential Residue Method)
ASTM D874	Standard Test Method for Sulfated Ash from Lubricating Oils and Additives
ASTM D893	Standard Test Method for Insolubles in Used Lubricating Oils
ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup
ASTM D93	Standard Test Methods for Flash-Point by Pensky-Martens Closed Cup Tester
ASTM D97	Standard Test Method for Pour Point of Petroleum Products
ASTM D974	Standard Test Method for Acid and Base Number by Color-Indicator Titration
CAN/CGSB 3.0 No. 14.3	Methods of Testing Petroleum and Associated Products Standard Test Method for the Identification of Components in Automotive Gasoline Using Gas Chromatography
CAN/CGSB 3.0 No. 140.1	Method of Testing Petroleum and Associated Products - Low Temperature Flow Test (LTFT) for Diesel Fuels
CAN/CGSB 3.0 No. 19.5	Method of Testing Petroleum and Associated Products - Determination of Lead in Automotive Gasoline (Atomic Absorption)
CAN/CGSB 3.0 No. 142.0	Methods of testing petroleum and associated products Cold soak filter blocking tendency of biodiesel B100)
CAN/CGSB 3.0 No. 28.8	Methods of testing petroleum and associated products Visual haze rating of liquid fuels
GL-71	Detection of Unisol Liquid Red Dye BK-50
IP 143	Determination of Asphaltenes (Heptane Insolubles) in Crude Petroleum and Petroleum Products
IP 540	Determination of the Existent Gum Content of Aviation Turbine Fuel - Jet Evaporation Method
IP 585	Determination of Fatty Acid Methyl Esters (FAME), Derived from Bio-Diesel Fuel, in Aviation Turbine Fuel - GC-MS with Selective Ion Monitoring/Scan Detection Method

NACE TM0172	Determining Corrosive Properties of Cargoes in Petroleum Product Pipelines
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Number of Scope Listings: 83

Notes:

ISO/IEC 17025:2017: General Requirements for the Competence of Testing and Calibration Laboratories

ASTM: American Society for Testing and Materials

CGSB: Canadian General Standards Board

NACE: National Association of Corrosion Engineers

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
 Vice-President, Accreditation Services
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