

SCOPE OF ACCREDITATION

Alberta Research Council
FUELS & LUBRICANTS GROUP
250 Karl Clark Road
Edmonton, AB
T6N 1E4

Accredited Laboratory No. 41
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Mr. Bryan Fuhr
TEL: (780) 450-5032
FAX: (780) 988-9053
EMAIL: fuhr@arc.ab.ca

CLIENTS SERVED: All interested parties.

FIELDS OF TESTING: Chemical/Physical

ISSUED ON: 2007-05-17

VALID TO: 2011-08-13

Alternative Contact:

Mr. Dan Wispinski

Email: wispinski@arc.ab.ca

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 D1266	Standard Test Method for Sulfur in Petroleum Products (Lamp Method)
ASTM D1298	Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method
ASTM D130	Standard Test Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish 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 Kerosine 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 D187	Standard Test Method for Burning Quality of Kerosine
ASTM D2274	Standard Test Method for Oxidation Stability of Distillate Fuel Oil (Accelerated Method)
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 D2892	Standard Test Method for Distillation of Crude Petroleum (15-Theoretical Plate Column)
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 D3948	Standard Test Method for Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer
ASTM D4007	Water and Sediment in Crude Oil by Centrifuge Method
ASTM D4052	Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter
ASTM D4176	Free Water and Particulate Contamination in Distillate Fuels (Visual)
ASTM D445	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (the Calculation of Dynamic Viscosity)
ASTM D4530	Standard Test Method for Determination of Carbon Residue (Micro Method)
ASTM D482	Standard Test Method for Ash from Petroleum Products
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 D5006	Standard Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels
ASTM D5186	Determination of Aromatic Content and Polynuclear Aromatic Content of Diesel Fuels and Aviation Turbine Fuels by Supercritical Fluid Chromatography
ASTM D5191	Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)
ASTM D5236	Standard Test Method for Distillation of Heavy Hydrocarbon Mixtures (Vacuum Potstill 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 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, Motor Fuels and Oils by Ultraviolet Fluorescence
ASTM D56	Standard Test Method for Flash Point by Tag Closed Tester
ASTM D5773	Standard Test Method for Cloud Point of Petroleum Products (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 D6078	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the Scuffing Load Ball-on-Cylinder Lubricity Evaluator (SLBOCLE)
ASTM D6079	Standard Test Method for Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)
ASTM D611 Modified	Standard Test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents
ASTM D613	Standard Test Method for Cetane Number of Diesel Fuel Oil
ASTM D6304	Determination of Water in Petroleum Products, Lubricating Oils and Additives by Coulometric Karl Fischer Titration
ASTM D6468	Standard Test Method for High Temperature Stability of Distillate Fuels
ASTM D6584	Standard Test Method for Free and Total Glycerin in B100 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 by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry
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 D86	Standard Test Method for Distillation of Petroleum Products 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	Standard Test Method for the Identification of Hydrocarbon 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. 15.0	Standard Test Method for Determination of Aromatic Hydrocarbons by their Ring Number in Petroleum Middle Distillates by Supercritical Fluid Chromatography
CAN/CGSB 3.0 No. 16.0	Methods of Testing Petroleum and Associated Products – Sulphur in Diesel Fuel by Energy Dispersive X–ray Fluorescence Spectrometry (EDXRF)
CAN/CGSB 3.0 No. 19.5	Method of Testing Petroleum and Associated Products – Determination of Lead in Automotive Gasoline (Atomic Absorption)
GL–71	Detection of Unisol Liquid Red Dye BK–50
IP 143	Determination of Asphaltenes (Heptane Insolubles) in Crude Petroleum and Petroleum Products
NACE TM0172	Determining Corrosive Properties of Cargoes in Petroleum Product Pipelines

Notes:

CAN–P–4E (ISO/IEC 17025:2005): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025–2005)

P. Paladino, P. Eng., Director, Conformity Assessment

Date: 2007–05–17

Number of Scope Listings: 76

SCC 1003–15/65

Partner File #0

Partner: