



CALA

Canadian Association for
Laboratory Accreditation Inc.

CALA Directory of Laboratories

Membership Number: 4046
Laboratory Name: Engine Coolant Analytical Lab
Parent Institution: Recochem Inc.
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Standard: Conforms with requirements of ISO/IEC 17025
Clients Served: Specified Clients
Revised On: October 3, 2018
Valid To: April 2, 2021

Scope of Accreditation

Diesel Exhaust Fluid (Inorganic)

Aldehydes - Exhaust [Diesel] (018)
N-LAB-I-28; ISO 22241-2: ANNEX F
SPECTROPHOTOMETRIC
Formaldehyde

Diesel Exhaust Fluid (Inorganic)

Alkalinity as Ammonia - Exhaust [Diesel] (013)
N-LAB-I-15; ISO 22241-2: ANNEX D
TITRIMETRIC
Ammonia

Diesel Exhaust Fluid (Inorganic)

Density - Exhaust [Diesel, Diesel Exhaust Fluid] (017)
N-LAB-I-19; ISO 3675
HYDROMETER
Density

Diesel Exhaust Fluid (Inorganic)

Insoluble Matter - Exhaust [Diesel, Diesel Exhaust Fluid] (016)
N-LAB-I-18; ISO 22241-2: ANNEX G
GRAVIMETRIC
Insoluble Matter

Diesel Exhaust Fluid (Inorganic)

Metals - Exhaust [Diesel] (020)
N-LAB-I-13; ISO 22241-2: ANNEX I
ICP
Aluminum
Calcium

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

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Chromium
Copper
Iron
Magnesium
Nickel
Potassium
Sodium
Zinc

Diesel Exhaust Fluid (Inorganic)

Refractive Index - Exhaust [Diesel] (015)
N-LAB-I-17; ISO 22241-2: ANNEX C
REFRACTOMETER
Refractive Index

Diesel Exhaust Fluid (Inorganic)

Urea - Exhaust [Diesel] (014)
N-LAB-I-16; ISO 22241-2: ANNEX C
REFRACTOMETER
Urea

Engine Coolant (Inorganic)

Automotive Fluids Anions - Engine Coolant (008)
N-LAB-I-09; ASTM D5827
ION CHROMATOGRAPHY
Adipic Acid
Chloride
Fluoride
Nitrate
Nitrite
Orthophosphate
Oxalic acid
Sulfate

Engine Coolant (Inorganic)

Chloride - Engine Coolant (003)
N-LAB-I-03; ASTM D3634
TITRIMETRIC
Chloride

Engine Coolant (Inorganic)

Denatonium Benzoate - Engine Coolant (010)
N-LAB-I-12; modified from ASTM D7304
HPLC
Denatonium Benzoate

Engine Coolant (Inorganic)

Density and Specific Gravity - Engine Coolant (023)
N-LAB-I-33; ASTM D5931
DENSITOMETER
Specific Gravity and Density

Engine Coolant (Inorganic)

Foaming Properties - Engine Coolant (004)
N-LAB-I-04; ASTM D1881
FOAM TEST
Foam Properties

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Engine Coolant (Inorganic)

Freezing Point - Engine Coolant (006)

N-LAB-I-07; ASTM D3321

REFRACTOMETER

Freezing Point

Engine Coolant (Inorganic)

Freezing Point - Engine Coolant (007)

N-LAB-I-08; ASTM D1177

FREEZING POINT APPARATUS

Freezing Point

Engine Coolant (Inorganic)

Glycol Degradation Products and Fluoride - Engine Coolant (011)

N-LAB-I-11; GLYCOL DEGRADATION PRODUCTS/FLUORIDE

ION CHROMATOGRAPHY

Acetate

Fluoride

Formate

Glycolate

Engine Coolant (Inorganic)

Metals - Engine Coolant (012)

N-LAB-I-13; ASTM D6130

ICP

Aluminum

Boron

Caesium

Chromium

Copper

Iron

Lead

Magnesium

Molybdenum

Nickel

Phosphorus

Potassium

Silicon

Sodium

Tin

Zinc

Engine Coolant (Inorganic)

Organic Corrosion Inhibitors - Engine Coolant (009)

N-LAB-I-10; IN-HOUSE

HPLC

2-Ethylhexanoic acid

2-Mercaptobenzothiazole

Benzotriazole

Dodecanoic acid

Neodecanoic acid

Nitrate

Nitrite

p-tert-Butylbenzoic acid

Sebacic acid

Sodium benzoate

Toluic acid

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Tolyltriazole
Undecanoic acid

Engine Coolant (Inorganic)

pH - Engine Coolant (002)
N-LAB-I-01; ASTM D1287
pH METER
pH

Engine Coolant (Inorganic)

Reserve Alkalinity - Engine Coolant (001)
N-LAB-I-01; ASTM D1121
TITRIMETRIC
Reserve Alkalinity

Engine Coolant (Inorganic)

Specific Gravity - Engine Coolant (019)
N-LAB-I-06; ASTM D1122
HYDROMETER
Specific Gravity

Engine Coolant (Inorganic)

Water Content - Engine Coolant (005)
N-LAB-I-05; ASTM D1123
KARL FISCHER TITRATION
Water

Water (Inorganic)

Conductivity - Water (021)
N-LAB-I-14; SM 2510
CONDUCTIVITY METER
Conductivity (25°C)

Water (Inorganic)

Total Dissolved Solids (TDS) - Water (022)
N-LAB-I-30; SM 2540
GRAVIMETRIC
Total Dissolved Solids

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