



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: September 29, 2017
Valid To: August 10, 2019

Scope of Accreditation

Diesel Exhaust Fluid (Inorganic)

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

Diesel Exhaust Fluid (Inorganic)

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

Diesel Exhaust Fluid (Inorganic)

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

Diesel Exhaust Fluid (Inorganic)

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

Diesel Exhaust Fluid (Inorganic)

Metals - Diesel Exhaust (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).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at http://www.cala.ca/cala_directories.html

Chromium
Copper
Iron
Magnesium
Nickel
Potassium
Sodium
Zinc

Diesel Exhaust Fluid (Inorganic)

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

Diesel Exhaust Fluid (Inorganic)

Urea - Diesel Exhaust Fluid (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)

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

Engine Coolant (Inorganic)

Freezing Point - Engine Coolant (006)
N-LAB-I-07; ASTM D3321
REFRACTOMETER
Freezing Point

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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

Tolyltriazole

Undecanoic acid

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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

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