



# CALA

Canadian Association for  
Laboratory Accreditation Inc.

## CALA Directory of Laboratories

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**Membership Number:** 3822  
**Laboratory Name:** Fluid Life Ltd. - Bloomington Laboratory  
**Parent Institution:** The Fluid Life Corporation  
**Address:** Suite 210, 9555 James Ave. S Bloomington, MN 55431  
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**Standard:** Conforms with requirements of ISO/IEC 17025  
**Clients Served:**  
**Revised On:** July 27, 2017  
**Valid To:** January 25, 2020

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### Scope of Accreditation

#### Oil (Inorganic)

Acid Number - Oil (005)  
LAB-008; modified from ASTM D664  
AUTO TITRIMETRIC  
Acid Number

#### Oil (Inorganic)

Base Number - Oil (006)  
LAB-044; modified from ASTM D4739  
AUTO TITRIMETRIC  
Base Number

#### Oil (Inorganic)

Glycols - Oil (011)  
LAB-017; modified from ASTM D7922  
GC/FID  
Ethylene glycol  
Propylene glycol

#### Oil (Inorganic)

Kinematic Viscosity - Oil (002)  
LAB-027; modified from ASTM D445  
MANUAL BATH  
Viscosity at 100 degrees C  
Viscosity at 40 degrees C

† "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](http://www.cala.ca/cala_directories.html)

**Oil (Inorganic)**

Kinematic Viscosity - Oil (003)  
LAB-011, LAB-012; IN-HOUSE  
AUTO-VISCOMETER  
Viscosity at 100 degrees C  
Viscosity at 40 degrees C

**Oil (Inorganic)**

Metals - Oil (008)  
LAB-029; modified from ASTM D5185  
ICP/AES  
Aluminum  
Antimony  
Barium  
Beryllium  
Boron  
Cadmium  
Calcium  
Chromium  
Copper  
Iron  
Lead  
Lithium  
Magnesium  
Manganese  
Molybdenum  
Nickel  
Phosphorus  
Potassium  
Silicon  
Silver  
Sodium  
Tin  
Titanium  
Vanadium  
Zinc

**Oil (Inorganic)**

Nitration and Oxidation and Sulphation and Soot - Oil (001)  
LAB-030; modified from ASTM E2412  
FTIR  
Nitration  
Oxidation  
Soot (%) Loading  
Sulphation

**Oil (Inorganic)**

Optical Particle Count - Oil (012)  
LAB-015; modified from IN-HOUSE and ISO 4406  
SPECTRO PARTICLE COUNTER  
Particle Count at 4, 6, 14 microns

**Oil (Inorganic)**

Particle Count - Oil (009)  
LAB-001; modified from ISO 11500 and ISO 4406  
HIAC PARTICLE COUNTER  
Particle Count 4, 6 and 14 microns

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**Oil (Inorganic)**

Water Content - Oil (004)

LAB-018; modified from ASTM D6304

KARL FISCHER AUTO TITRIMETRIC

Water Content

**Oil (Inorganic)**

Water Content - Oil (007)

LAB-009; IN-HOUSE and "THE VISUAL CRACKLE" PRACTICING OIL ANALYSIS MAGAZINE SEPT 1998

CRACKLE USING HOT PLATE

Crackle

**Oil (Organic)**

Fuels - Oil (010)

LAB-017; modified from ASTM D7593

GC/FID

Fuels

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