



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

ALS Tribology
5036 South Service Road,
Burlington, Ontario L7L 5Y7

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

AT-2255.05

Certificate Number



ANAB Approval

Certificate Valid: 06/15/2018-06/27/2020
Version No. 002 Issued: 06/15/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ALS Tribology
 5036 South Service Road,
 Burlington, Ontario L7L 5Y7
 Gerardo Minelli
 905-332-9559

TESTING

Valid to: **June 27, 2020**


Certificate number: **L2255.05**

Chemical

| Specific Tests and/or Properties Measured | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested | Key Equipment or Technology |
|--|--|---|------------------------------------|
| Acid Number by Colorimetric Titration | ASTM D974 | Lubricants/Oils | Colorimetric Titration |
| Acid Number by Potentiometric Titration | ASTM D664 Mod | Lubricants/Oils | Potentiometric Titration |
| Base Number by Potentiometric Titration | ASTM D4739 Mod | Lubricants/Oils | Potentiometric Titration |
| Spectrochemical Analysis by ICP | ASTM D5185 Mod | Lubricants/Oils | ICP |
| Nitration, Oxidation, Sulphation and Soot by FTIR | ASTM D7418 ASTM D7414 ASTM D7415 ASTM D7624 ASTM D7844 ALS SOP 2005 | Lubricants/Oils | FTIR |
| Particle Count by Light Extinction | ASTM D7647 Mod ISO 4406 | Lubricants/Oils | Liquid Automatic Particle Counter |
| Viscosity, Kinematic by Houillion | ASTM D7279 Mod | Lubricants/Oils | Viscometer |
| Water by Karl Fischer Evaporator, Volumetric Titration | ASTM E203 ALS SOP 6001 | Lubricants/Oils | Volumetric Titration |
| Water by Hot Plate (Crackle) | ALS SOP 5015 | Lubricants/Oils | Hot plate |
| Fuel Soot by ATR/IR | ASTM D7686 Mod | Lubricants/Oils | ATR/IR |
| Fuel Dilution by Viscosity / SetaFlash | ASTM D 3828 ALS SOP 5004 | Lubricants/Oils | Viscometer, Setaflash Rapid Tester |

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2255.05



Vice President

