



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
3121 Presidential Drive
Atlanta GA 30340

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-2255.03

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
 3121 Presidential Drive
 Atlanta, GA 30340
 Edward Williams
 770-454-8000

TESTING

Valid to: **June 27, 2020**

Certificate Number: **L2255.03**

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
Fuel Dilution by Gas Chromatography	ASTM D7593	Lubricants/Oils	Gas Chromatography
Fuel Dilution by Viscosity / Setaflash	ASTM D3828 ALS SOP 5004	Lubricants/Oils	Viscometer, Setaflash Rapid Tester
Fuel Soot by ATR/IR	ASTM D7686 Mod	Lubricants/Oils	ATR/IR
Wear, Additive, and Contaminant Metal Analysis by ICP/ OES	ASTM D5185 Mod	Lubricants/Oils	ICP/OES
Nitration , Oxidation and Sulfation Soot by FTIR	ASTM D 7415 ASTM D7414 ASTM D7418 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	ASTM D445	Lubricants/Oils	Viscometer

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Water by Hot Plate (Crackle)	ALS SOP 5015	Lubricants/Oils	Hot plate
Water by Karl Fischer Oven, Volumetric Titration	ASTM E203 Mod ALS SOP 6001	Lubricants/Oils	Volumetric Titration
Water by Karl Fischer Coulometric Titration	ASTM D6304C	Lubricants/Oils	Coulometric Titration

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2255.03





Vice President