



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**WearCheck Lubrication Services, LLC  
d.b.a WearCheck USA  
501 Madison Avenue  
Cary, NC 27540**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is written over a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 05 September 2022  
Certificate Number: L2367



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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 17025:2017**

**WearCheck Lubrication Services, LLC  
d.b.a WearCheck USA**

501 Madison Avenue  
Cary, NC 27513  
Jon Fazenbaker 919-379-4020  
[jon.fazenbaker@wearcheck.com](mailto:jon.fazenbaker@wearcheck.com)

**TESTING**

Valid to: **September 5, 2022**

Certificate Number: **L2367**

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Multi-Element Determination	ASTM D5185 Mod	Lubricants/ Fuels	ICP-AES/OES
Kinematic Viscosity	ASTM D445	Lubricants/ Fuels	Viscometer
Base Number by Potentiometric Perchloric Acid Titration	ASTM D2896	Lubricants	Titration
Acid Number by Color-Indicator Titration	ASTM D974	Lubricants/ Fuels	Titration
Pour Point	ASTM D5950	Lubricants/ Fuels	Pour Point
Flash Point	ASTM D93	Lubricants/ Fuels	Flash Point
Ferrous Debris (PQ)	ASTM D8184 Mod	Lubricants	Ferrous Debris Monitor
Flash Point	ASTM D92	Lubricants	COC Flash Point
Cloud Point	ASTM D5771	Fuels	Cloud Point
Color	ASTM D1500	Lubricants/Fuels	Colorimeter
Distillation	ASTM D86	Fuels	Distillation
Water by Coulometric Karl Fischer Titration Procedure C	ASTM D6304	Lubricants/Fuels	Titration
Conductivity	ASTM D2624	Lubricants/Fuels	Conductivity

## Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Water by Karl Fischer	ASTM D1744	Lubricants	Titration
Hindered Phenolic and Aromatic Amine Antioxidant Content- RULER	ASTM D6971	Lubricants	Voltammetry
CIE 1976 LAB Color Scale-MPC	ASTM D7843	Lubricants	Spectrophotometer
pH	ASTM D1287	Coolants	pH Meter
Freezing Point	ASTM D 3321	Coolants	Refractometer
Total Dissolved Solids	SOP LP-305	Coolants	Conductivity
NALCO Nitrite Universal Dropwise Titration-Analytical Procedure	SOP LP-304	Coolants	Titration
Urea Content	SOP LP-302	Diesel Exhaust Fluid	Refractometer
Density @20°C	ISO 12185 Mod	Diesel Exhaust Fluid	Electronic Density Meter
Density @15°C	ASTM D4052	Diesel Fuels	Electronic Density Meter
API Gravity	ASTM D4052	Diesel Fuels	Calculated API Gravity
Viscosity Index	ASTM D2270	Lubricants	Calculated Viscosity Index
Cetane Index	ASTM D4737	Fuels	Calculated Cetane Index
Aerobic Bacteria	SOP LP-208	Fuels	OEM Fuels Service Test Bug Alert
Mold & Yeast	SOP LP-208	Fuels	OEM Fuels Service Test Bug Alert
Fuel Dilution in Diesel Engine Oils	ASTM D3524 Mod	Lubricants	Gas Chromatography
Sulfur in Petroleum Products	ASTM D5453	Fuels	UV Fluorescence Spectroscopy
Particle Counting of Lubricating Oils	ASTM D7647	Lubricants	Automated Laser Particle Counter
Acid Number by Thermometric Titration	ASTM D8045	Lubricants	Automated Thermometric Titrator
Condition Monitoring of In-Service Lubricants	ASTM E2412 Mod	Lubricants	FT-IR Spectroscopy

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Multi-Element Determination Wear Metals	ASTM D6130 Mod	Coolants	ICP/OES
Permethrin Content	DoD GL/PD 07-14C Section 4.5.1	Fabrics	GC/MS

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2367.



R. Douglas Leonard Jr., VP, PILR SBU

