



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

POLARIS LABORATORIES, LLC

Duluth, GA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. 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 8 January 2009*).

Presented this 10th day of October 2011.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 2145.05
Valid to November 30, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CHEMICAL

Valid To: November 30, 2013

Certificate Number: 2145.05

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on petroleum products including oil, fuel, hydraulic fluid, lubricants and coolants:

TEST	TEST METHOD	SOP
Lubricants/Oils		
Chlorine	ASTM D5384	WI-0052
Fuel Dilution by Gas Chromatography	In-house Method	WI-0086
Fuel Soot % (FTIR)	ASTM E2412	WI-0045
Glycol	Mod-ASTM D2982	WI-0024
ICP Elemental Analysis Ag, Al, B, Ba, Ca, Cd, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Si, Sn, Ti, V, Zn	Mod-ASTM D5185	WI-0121
Oxidation / Nitration (FTIR)	ASTM E2412	WI-0157
Particle Count (Calibration 11171)	Mod-ISO 11500	WI-0004
Particle Quantifier	Manufacturer Method	WI-0041
Total Acid Number, pH	Mod-ASTM D664	WI-0175
Total Base Number	Mod-ASTM D4739	WI-0018
Viscosity @ 40° C or 100° C	Mod-ASTM D445	WI-0061

TEST	TEST METHOD	SOP
Viscosity Index (calculation)	ASTM D2270	WI-0061
Water % (estimate) (FTIR)	ASTM E2412	WI-0157
Water % by Crackle	In-house Method	WI-0012
Water by Karl Fischer (% or ppm)	Mod-ASTM D1744-92 (retired)	WI-0151
Coolants		
Antifreeze % Refractometer	In-house Method	WI-0087
Conductivity & Total Dissolved Solids	In-house Method	WI-0056
Freeze Point & Boil Point (calculation)	In-house Method	WI-0087
Hardness % Calcium Carbonate (calculation)	In-house Method	WI-0127
ICP Elemental Analysis Ag, Al, B, Ca, Cu, Fe, K, Mg, Mo, Na, P, Pb, Si, Sn, Zn	ASTM D6130	WI-0121
Nitrites	In-house Method	WI-0021
pH Waters	In-house Method	WI-0123
SCA Number	In-house Method	WI-0127
Visual Coolant Testing	In-house Method	WI-0053
Fuels		
Aerobic Bacteria	Manufacturer Method	WI-0036
Bacteria, Fungi, Mold	Manufacturer Method	WI-0037

