



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

POLARIS LABORATORIES EUROPE SP. Z. O.O.
ul. Rubiez 46H 61- 612
Poznan, Poland
David Swanson Phone: 317-808-3750 x 1206

CHEMICAL

Valid To: June 30, 2020

Certificate Number: 2145.06

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

<u>Test</u>	<u>Test Method(s)</u>
<u>Lubricants/Oil</u>	
Acid Number	WI-0015 (Based on Modified ASTM D664)
Base Number	WI-0264 (Based on Modified ASTM D4739)
Base Number (Perchloric)	WI-0316 (Based on Modified ASTM D2896)
Fuel Dilution by Gas Chromatography	WI-0086, WI-0171; ASTM D7593
Fuel Soot % (FTIR)	WI-0045; ASTM E2412
Glycol	WI-0024 (Based on Modified ASTM D2982)
Gravimetric Solids	WI-0027
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	WI-0121 (Based on Modified ASTM D5185)
i-pH	WI-0324 (Based on Modified ASTM D7946)
Oxidation/Nitration (FTIR)	WI-0045; ASTM E2412
Particle Count	WI-0196 (Based on Modified ISO 11500)
Particle Quantifier	WI-0041
Viscosity @ 40° C or 100° C	WI-0017 (Based on Modified ASTM D445)

<u>Test</u>	<u>Test Method(s)</u>
Viscosity Index (Calculation)	WI-0234; ASTM D2270 X2
Water by Karl Fischer (% or ppm)	WI-0259 (Based on Modified ASTM D6304C)
Water % (Estimate) (FTIR)	WI-0045; ASTM E2412
Water % by Crackle	WI-0012
<u>Fuels</u>	
Bacteria, Fungi, Mold	WI-0037



Accredited Laboratory

A2LA has accredited

POLARIS LABORATORIES EUROPE SP. Z. O.O.

Poznan, POLAND

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 April 2017).



Presented this 13th day of June 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2145.06
Valid to June 30, 2020

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