



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

Tribologik Corporation
1212 172nd Street, Hammond, IN 46324

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Chemical Testing
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

August 23, 2014

January 30, 2026

March 31, 2028

Accreditation No.:

Certificate No.:

73353

L26-70-2

Tracy Szerszen
President

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084



Certificate of Accreditation: Supplement

Tribologik Corporation

1212 172nd Street, Hammond, IN 46324

Contact Name: Moussa Zidoune Phone: 312-800-2888 ext. 26

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Chemical	Lubricant, Cooling Liquids, Other Relevant Liquid	Additive Elements and Contamination	ASTM D5185	ICP	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Other Relevant Liquid	Silicon	ASTM D6130	ICP	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	pH	ASTM D1287	PH	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Freeze Protection	ASTM D3321	Freeze Protection	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Ethylene Glycol %	In house method by refractometer (ID#01)	Refractometer	F1, F4	F
Chemical	Lubricant, Cooling Liquids, Fuel	Glycol Detection In Oil	ASTM D2982	Glassware Accessories	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Total Base Number	ASTM D4739 ASTM D2896	TBN	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Total Acid Number	ASTM D664 ASTM D974	TAN	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Viscosity Index	ASTM D2270	Calculation from Vis40, Vis100 C	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Kinematic Viscosity	ASTM D445	Viscometer	F1, F2	F



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Chemical	Lubricant, Cooling Liquids, Fuel	Infra-Red	JOAP / ASTM E2412	IR (FTIR)	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	TDS	Total Dissolved Solids (Calculation)	Total Dissolved Solid	F1, F4	F
Chemical	Lubricant, Cooling Liquids, Fuel	Conductivity	In House method (ID #02)	Conductimeter	F1, F4	F
Chemical	Lubricant, Cooling Liquids, Fuel	% Water Crackle	In House method (ID #03)	Hot Plate	F1, F4	F
Chemical	Lubricant, Grease	Density	ASTM D4052	Density	F1, F2	F
Chemical	Cooling Liquids	Wear Particle Count	NAS 1638 ISO 4406	Particle Count	F1, F2, F4	F
Chemical	Oil	Cloud Point Pour Point	ASTM D2500 ASTM D97	Cloud Point, Pour Point	F1, F2	F
Chemical	Oil	Water by Karl Fisher	ASTM D6304 ASTM D1744	KF	F1, F2	F
Chemical	Oil	Particle Quantifier	ASTM D8184	Particle Quantifier	F1, F4	F
Chemical	Oil	Analytical Ferrography	ASTM D7690	Analytical Ferrography	F1, F4	F
Chemical	Oil	Vapor Pressure	ASTM D5191	Vapor Pressure	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Other Relevant Liquid	Sulfur by XRF	ASTM D4294	Sulfur by XRF	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Other Relevant Liquid	Lubricity	ASTM D6079	Lubricity	F1, F2	F



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Chemical	Lubricant, Cooling Liquids, Fuel	Flash point	ASTM D93 ASTM D6450	Flash Point	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Distillation Petroleum	ASTM D86	Distillation	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Cetane Index	ASTM D4737 ASTM D976	Cetane Index/Calculation	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Copper Corrosion	ASTM D130	Copper Corrosion	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Research Octane Number	ASTM D2699	Research Octane Number (RON)	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Motor Octane Number	ASTM D2700	Motor Octane Number (MON)	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Anti-Cknock Number	(RON+MON)/2	Calculation	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Cetane Number	ASTM D613	Cetane	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Water and Sediment	ASTM D2709	Centrifuge	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Oxygenate Content	ASTM D4815	Oxygenate Content	F1, F2	F



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Chemical	Lubricant, Cooling Liquids, Fuel	Vapor Liquid Ratio Temperature	ASTM D5188	VLR	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Carbon Residue	ASTM D4530	Carbon Residue	F1, F2	F
Chemical	Lubricant, Cooling Liquids, Fuel	Oxidation Stability	ASTM D2274	Oxidation Stability	F1, F2	F
Chemical	Cooling Liquids	Boiling Point (coolant)	ASTM D1120	Calculation	F1, F2	F
Chemical	Oil	Diesel Fuel in Used Engine Oils (Fuel %)	ASTM D3524 ASTM D7593	Fuel Dilution in oil	F1, F2	F
Chemical	Oil	Varnish Potential	ASTM D7843	Varnish	F1, F2	F
Chemical	Fuel	Gum	ASTM D381	GUM	F1, F2	F
Chemical	Fuel	Anti-icing Additive Concentration	ASTM D5006	Inti-icing inhibitor	F1, F2	F
Chemical	Fuel	Aviation Particle Contamination	ASTM D5452 ASTM D6217	Particulate Matter	F1, F2	F
Chemical	Fuel	Water Separation	ASTM D1401	Water separation tester	F1, F2	F
Chemical	Fuel	Cold Filter Plugging Point	ASTM D6371	CFPP	F1, F2	F
Chemical	Fuel	Freezing Point	ASTM D2386	Freezing Point for Fuel	F1, F2	F
Chemical	Fuel	Electrical Conductivity	ASTM D2624	Electrical Conductivity	F1, F2	F
Chemical	Fuel, Oil	Color of petroleum pdt	ASTM D1500	Colorimeter	F1, F2	F
Chemical	Fuel	Saybolt	ASTM D156	Saybolt Color	F1, F2	F
Chemical	Fuel	Particle Contamination	ASTM D4176	Visual test	F1, F2	F
Chemical	Fuel	Hydrogen Sulfide	ASTM D7621	H2S analyzer	F1, F2	F
Chemical	Grease	Dropping Point	ASTM D2265	Drop Tester	F1, F2	F



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Chemical	Grease	Cone Penetration	ASTM D217	Penetrometer	F1, F2	F

1. Location of activity:

Location

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:

F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.

F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope

F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope

F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope

F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope

F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

3. This location is linked to 6980 Cote De Liesse, St. Liesse, QB, Montreal H4T1Y5, Montreal, QC H4T1Y5 due to a shared quality management system.