

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Petro Lubricant Testing Laboratory, Inc.
116 Sunset Inn Road, Lafayette, NJ 07848

*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, Electrical and Mechanical 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:

March 11, 2005

July 12, 2025

July 31, 2027

Accreditation No.:

Certificate No.:

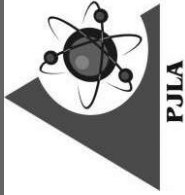
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L25-527

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.pjlab.com*

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



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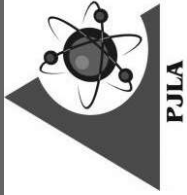
Petro Lubricant Testing Laboratory, Inc.

116 Sunset Inn Road, Lafayette, NJ 07848

Contact Name: John Wintermute Phone: 973-579-3448

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	Greases	Analysis of Grease Ash Content Aniline Point Fatty Acid Content Free Alkali/Fatty Acid from Soap Moisture Content Percent Soap Percent Thickener Soxhlet Extraction of Oil	ASTM D128	Analytical Scale Visual Temp. Attribute Analytical Scale Titration Distillation Apparatus Analytical Scale Analytical Scale Analytical Scale	F1, F2	F
Chemical	Greases	Ford Method Molybdenum Disulfide	AJ 106-2	Analytical Scale	F1, F2	F
Chemical	Greases	Molybdenum Disulfide Content	FTM-3722, FTM-371 FTM-3720	Analytical Scale	F1, F2	F
Chemical	Oils	Neutralization Number, Potentiometric	ASTM D664	Titration	F1, F2	F
Chemical	Oils	Saponification Number	ASTM D94	Titration	F1, F2	F
Chemical	Oils	Neutralization Number, Color	ASTM D974	Titration	F1, F2	F
Chemical	Oils	Acidity of H ₂ O Layer	ASTM D1093	Centrifuge, Titration	F1, F2	F
Chemical	Oils	Reserve Alkalinity	ASTM D1121	pH meter	F1, F2	F
Chemical	Oils	Hydroxyl Number	ASTM D1957	Titration	F1, F2	F
Chemical	Oils	Base Number (Perchloric Acid Method)	ASTM D2896	Titration	F1, F2	F
Chemical	Oils	Total Base Number	ASTM D4739	Titration	F1, F2	F
Chemical	Oils	Iodine Number	ASTM D5768	Titration	F1, F2	F
Chemical	Oils	pH of Engine Coolants and Anti-Rusts	ASTM D1287	pH meter	F1, F2	F
Chemical	Oils	Pentane and Toluene Insolubles	ASTM D893	Centrifuge, Analytical Scale	F1, F2	F
Chemical	Oils	Compatibility of Turbine Lubricating Oils	FTM-3403.3	Centrifuge, Visual Attribute	F1, F2	F
Chemical	Oils and Greases	Chlorine Content	ASTM D6443 ASTM D7536	WDXRF	F1, F2	F



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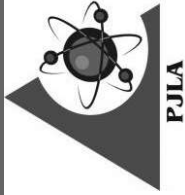
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Chemical	Oils and Greases	Sulfur Content	ASTM D2622	WDXRF	F1, F2	F
Chemical	Oils and Greases	Water Content	ASTM D1744	Karl Fischer	F1, F2	F
Chemical	Oils and Greases	Water Content	ASTM D4377	Karl Fischer	F1, F2	F
Chemical	Oils and Greases	Metals Analysis	ASTM D7303	ICP/OES	F1, F2	F
Chemical	Oils and Greases	Infrared Spectrograph	ASTM E1252 PLTL-78	FTIR Spectrometer	F1, F2	F
Electrical	Filling Compounds, Greases, and Pastes	Dielectric Constant & Dissipation Factor	ASTM D1150	Capacitance Bridge	F1, F2	F
Electrical	Filling Compounds, Greases, and Pastes	Volume Resistivity	ASTM D257	Megohmmeter	F1, F2	F
Electrical	Filling Compounds, Greases, and Pastes	Dielectric Strength	ASTM D149	High Voltage AC Tester	F1, F2	F
Electrical	Fuels and Oils	Electrical Conductivity	ASTM D2624	Emcee Meter	F1, F2	F
Electrical	Oils	Volume Resistivity	ASTM D1169	Megohmmeter	F1, F2	F
Electrical	Oils	Dielectric Constant & Dissipation Factor	ASTM D924	Capacitance Bridge	F1, F2	F
Electrical	Oils	Dielectric Strength	ASTM D877	High Voltage AC Tester	F1, F2	F
Electrical	Oils	Dielectric Strength	ASTM D1816	High Voltage AC Tester	F1, F2	F
Electrical	Oils	Electrical Conductivity	ASTM D4308	Precision Conductivity Meter	F1, F2	F
Mechanical	Greases	Wear Preventative Characteristics	ASTM D2266	4-Ball Method	F1, F2	F
Mechanical	Greases	Timken OK Load Carrying	ASTM D2509	Timken Machine	F1, F2	F
Mechanical	Greases	Load Carrying Capacity Test-Falex Test	Molycote 3400A CTM 0225	Falex Pin & V Test Machine	F1, F2	F
Mechanical	Greases	Endurance Life Test-Falex Pin & V Block Test	Molycote 3400A CTM 0409	Falex Pin & V Test Machine	F1, F2	F
Mechanical	Greases	Fretting Wear Test	ASTM D4170	Friction Oxidation Test Machine	F1, F2	F
Mechanical	Greases	Penetration Cone (Worked or Unworked)	ASTM D217	Koehler Penetrometer	F1, F2	F



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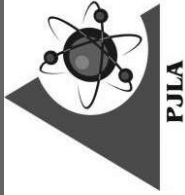
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Mechanical	Greases	Penetration (Used for Softer Unrefined Waxes)	ASTM D937	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Penetration Cone (1/2 scale or 1/4 scale)	ASTM D1403	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Penetration of Waxes	ASTM D1321	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Penetration Cone	FTM-313	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Apparent Viscosity	ASTM D1092	Pressure Viscometer Assembly	F1, F2	F
Mechanical	Greases	Mobility of Grease, US Steel Method	LT-37	Grease Pressure Cylinder	F1, F2	F
Mechanical	Greases	Low Temperature Torque	ASTM D1478	Low Temp Box, Torque Measuring Gauge	F1, F2	F
Mechanical	Greases	Low Temperature Torque of Wheel Bearing	ASTM D4693	Low Temp Box, Torque Measuring Gauge	F1, F2	F
Mechanical	Greases	Low Temperature Torque @ -65 °F	SAE AS8660	Low Temp Box, Torque Measuring Gauge	F1, F2	F
Mechanical	Greases	Corrosion, Bomb Copper, 210°F @ 20 hours	ASTM D1261	Oxidation Pressure Vessel, Visual Attribute	F1, F2	F
Mechanical	Greases	Corrosion, Copper	ASTM D4048 FTM-5309	Copper Strip Chart, Visual Attribute	F1, F2	F
Mechanical	Greases	Corrosion, Solid Film of Lubricants	ASTM D2649	Humidity Chamber, Visual Attribute	F1, F2	F
Mechanical	Greases	Sea Water Rust Preventative Properties	ASTM D5969	Salt Spray Cabinet, Visual Attribute	F1, F2	F
Mechanical	Greases	Rust Preventative Properties	ASTM D1743	Humidity Cup, Visual Attribute	F1, F2	F
Mechanical	Greases	Film Stability and Corrosion on Steel	Mil-Prf-27617 PLTL-37	Visual Attribute	F1, F2	F
Mechanical	Greases	Corrosive Effects-Metals Section Corrosive Effects-Non-Metals	SAE AS8660 PLTL-41 PLTL-42	Visual Attribute	F1, F2	F



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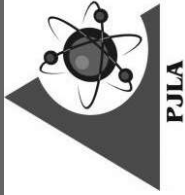
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Mechanical	Greases	Oxidation, Pressure Vessel	ASTM D942	Oxidation Pressure Vessel	F1, F2	F
Mechanical	Greases	Congealing Point	ASTM D938	Thermometer Recording	F1, F2	F
Mechanical	Greases	Waterproof Sealing	SAE AS8660	Visual Attribute	F1, F2	F
Mechanical	Greases	High Temperature Bearing Performance	ASTM D3336	Navy Type Spindle	F1, F2	F
Mechanical	Greases	Life Performance of Wheel Bearing Grease	ASTM D3527	Wheel Hub/Spindle Assembly, Time recorder	F1, F2	F
Mechanical	Greases	Leakage of Wheel Bearing Grease	ASTM D4290	Wheel Hub/Spindle Assembly, Analytical Scale	F1, F2	F
Mechanical	Greases	Water Washout Characteristics	ASTM D1264	Water Washout Apparatus, Analytical Scale	F1, F2	F
Mechanical	Greases	Water Spray Off	ASTM D 4049	Water Spray off Apparatus, Analytical Scale	F1, F2	F
Mechanical	Greases	Boiling Water Emersion	FTM-3463	Visual Attribute	F1, F2	F
Mechanical	Greases	Resistance of Grease to Fuel	FTM-5414	Analytical Scale, Visual Attribute	F1, F2	F
Mechanical	Greases	Resistance of Grease to H ₂ O and Ethanol	FTM-5415	Visual Attribute	F1, F2	F
Mechanical	Greases	Roll Stability	ASTM D1831	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Bethlehem Steel Combo Test, Parts A & B	LT-46	Koehler Penetrometer, Water Spray off Apparatus	F1, F2	F
Mechanical	Greases	Dirt Count	FTM-3005	Compound Microscope	F1, F2	F
Mechanical	Greases	Oil Separation	ASTM D4425	Koppers Method	F1, F2	F
Mechanical	Greases	Oil Separation	FTM-321 ASTM D6184	Analytical Scale	F1, F2	F
Mechanical	Greases	Oil Separation (Storage)	IP-121	Analytical Scale	F1, F2	F
Mechanical	Greases	Oil Separation (Storage)	ASTM D1742	Pressure Bleeding Test Cell, Analytical Scale	F1, F2	F
Mechanical	Greases	Evaporation and Bleed	PLTL-31 SAE AS8660	Analytical Scale	F1, F2	F



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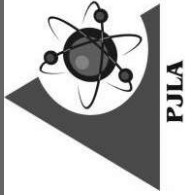
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Mechanical	Greases	Pressure Oil Separation and Penetration	PLTL-84	Koehler Penetrometer, Analytical Scale	F1, F2	F
Mechanical	Greases	Melting Point of Waxes	ASTM D87	Temperature Data Logger	F1, F2	F
Mechanical	Greases	Grease Compatibility	ASTM D6185	Koehler Penetrometer	F1, F2	F
Mechanical	Greases	Drop Point (Microcrystalline Waxes)	ASTM D127	Drop Point Apparatus (Bath)	F1, F2	F
Mechanical	Greases	Dropping Point	ASTM D566	Drop Point Apparatus (Bath)	F1, F2	F
Mechanical	Greases	Dropping Point	ASTM D2265	Drop Point Apparatus (Block)	F1, F2	F
Mechanical	Greases	Specific Gravity (Grease Pycnometer)	PLTL-90	Grease Pycnometer, Analytical Scale	F1, F2	F
Mechanical	Greases	Flammability	SAE AS8660 PLTL-39	Visual Attribute	F1, F2	F
Mechanical	Greases	Molecular Weight and Apparent Vapor Pressure by Evaporation	ASTM D2878	Analytical Scale	F1, F2	F
Mechanical	Greases	Soxhlet Extraction of Base Oil	PLTL-82	Analytical Scale	F1, F2	F
Mechanical	Insulating Oil	Carbon Composition - Aromatics, Naphthalene, Paraffin	ASTM D2140	Calculation	F1, F2	F
Mechanical	Oils	KRL Tapered Roll Bearing Shear Stability Test	DIN 51350-6 CEC L-45-A99 ISO 26422	KRL Friction and Test Wear Machine, Viscometer	F1, F2	F
Mechanical	Oils	Wear Preventative Characteristics	ASTM D4172	4-Ball Method	F1, F2	F
Mechanical	Oils	Timken OK Load Carrying	ASTM D2782	Timken Machine	F1, F2	F
Mechanical	Oils	Viscosity, Kinematic	ASTM D445	Viscometer	F1, F2	F
Mechanical	Oils	Viscosity of Greases at High Temperature	ASTM D3232	Viscometer	F1, F2	F
Mechanical	Oils	Borderline Pumping Temperature	ASTM D3829	Mini-Rotary Viscometer	F1, F2	F
Mechanical	Oils	Viscosity, Kinematic	ASTM D2532	Viscometer	F1, F2	F
Mechanical	Oils	Viscosity, Brookfield	ASTM D2983 ASTM D1824	Rotational Viscometer	F1, F2	F



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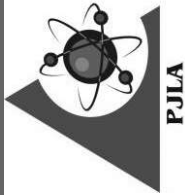
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Mechanical	Oils	Viscosity, Scanning Brookfield	ASTM D5133	Viscometer	F1, F2	F
Mechanical	Oils	Viscosity Index (calculation)	ASTM D2270 ASTM D567	Viscometer, Calculation	F1, F2	F
Mechanical	Oils	Molecular Weight from Viscosity	ASTM D2502	Viscometer, Calculation	F1, F2	F
Mechanical	Oils	Conversion to SUS	ASTM D2161	Calculation	F1, F2	F
Mechanical	Oils	Yield Stress/Apparent Viscosity (MRV)	ASTM D4684	Mini-Rotary Viscometer	F1, F2	F
Mechanical	Oils	Apparent Viscosity Cold Cranking Simulator	ASTM D5293	Cold-Cranking Simulator	F1, F2	F
Mechanical	Oils	Copper Strip Corrosion	ASTM D130	Copper Strip Chart, Visual Attribute	F1, F2	F
Mechanical	Oils	Glassware Corrosion	ASTM D1384	Analytical Scale	F1, F2	F
Mechanical	Oils	Lead Corrosion	FTM-5321	SOD Assembly, Analytical Scale	F1, F2	F
Mechanical	Oils	Water Displacement and Stability	FTM-3007	Humidity Chamber, Visual Attribute	F1, F2	F
Mechanical	Oils	Iron Chip Corrosion Test	ASTM D4627	Filter paper, Visual Attribute	F1, F2	F
Mechanical	Oils	Rust Prevention	ASTM D665	Humidity Cabinet, Visual Attribute	F1, F2	F
Mechanical	Oils	Carbon Residue, Conradson	ASTM D189	Analytical Scale	F1, F2	F
Mechanical	Oils	Ash Content	ASTM D482	Analytical Scale	F1, F2	F
Mechanical	Oils	Carbon Residue, Ramsbottom	ASTM D524	Analytical Scale	F1, F2	F
Mechanical	Oils	Sulfated Ash	ASTM D874	Analytical Scale	F1, F2	F
Mechanical	Oils	Rotating Pressure Vessel Oxidation	ASTM D2272 ASTM D2112	RPVOT Oxidation Vessel	F1, F2	F
Mechanical	Oils	Thin Film Oxygen Uptake Test (TFOUT)	ASTM D4742	High Pressure Reactor Pressure Gauge	F1, F2	F
Mechanical	Oils	Oxygen Stability of EP Gear Oils	ASTM D2893	Viscometer, Visual Attribute	F1, F2	F



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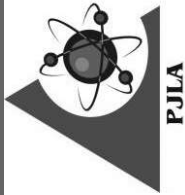
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Mechanical	Oils	High Temperature Stability	Mil-Prf-83282, Mil-Prf-87272 Mil-Prf-87257 PLTL-30	Titration, Viscometer	F1, F2	F
Mechanical	Oils	Corrosion and Oxidation	FTM-530, FTM-5308 ASTM D4636	Titration, Viscometer, Analytical Scale, Visual	F1, F2	F
Mechanical	Oils	Thermal Stability and Corrosivity	FTM-3411	Titration, Viscometer, Analytical Scale	F1, F2	F
Mechanical	Oils	Cincinnati Milacron Thermal Stability Procedure A or B	ASTM D2070 PLTL-86	Titration, Viscometer, Analytical Scale, Visual	F1, F2	F
Mechanical	Oils	Corrosion and Oxidation Stability	PLTL-48 for Mil-DTL-17111	Titration, Viscometer, Analytical Scale, Visual	F1, F2	F
Mechanical	Oils	Oxidation Stability	ASTM D943	Titration	F1, F2	F
Mechanical	Oils	Hydrolytic Stability	ASTM D2619	Titration, Viscometer, Analytical Scale, Visual	F1, F2	F
Mechanical	Oils	Sludging Tendencies of Inhibited Mineral Oil	ASTM D4310	Titration, Analytical Scale, ICP, Visual	F1, F2	F
Mechanical	Oils	Oxidation Stability of Mineral Insulating Oil	ASTM D2440	Titration, Analytical Scale, Visual Attribute	F1, F2	F
Mechanical	Oils	Sonic Shear Stability	ASTM D2603 ASTM D5621 PLTL-131 PLTL-141	Sonic Shear Apparatus	F1, F2	F
Mechanical	Oils	Foaming Characteristics, Sequence I Only	ASTM D892	Visual Volume Change	F1, F2	F
Mechanical	Oils	Foaming Characteristics, Sequence I, II, III	ASTM D892	Visual Volume Change	F1, F2	F
Mechanical	Oils	Foaming Characteristics, Sequence I, II, III, IV	ASTM D892	Visual Volume Change	F1, F2	F



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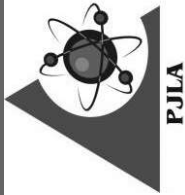
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Mechanical	Oils	Emulsion Characteristics	ASTM D1401	Visual Volume Change	F1, F2	F
Mechanical	Oils	Foaming Tendencies of Engine Coolants in Glassware	ASTM D1881	Visual Volume Change	F1, F2	F
Mechanical	Oils	High Temperature Foaming Characteristics	ASTM D6082	Visual Volume Change	F1, F2	F
Mechanical	Oils	Static Foam Test	FTM-3213	Visual Volume Change	F1, F2	F
Mechanical	Oils	Demulsibility Characteristics	ASTM D2711	Visual Volume Characteristics	F1, F2	F
Mechanical	Oils	Water Sludging	Mil-DTL-17111 PLTL-15	Viscometer	F1, F2	F
Mechanical	Oils	Cloud Point	ASTM D2500	Visual Attribute	F1, F2	F
Mechanical	Oils	Pour Point	ASTM D97	Visual Attribute	F1, F2	F
Mechanical	Oils	Stability, Low Temperature	FTM-3459	Visual Attribute	F1, F2	F
Mechanical	Oils	Water Sensitivity	Mil-PRF-46170 PLTL-75	Spectrometer	F1, F2	F
Mechanical	Oils	Aniline Point	ASTM D611 Method A	Thermometer Recording	F1, F2	F
Mechanical	Oils	Contamination, Trace Sediment	ASTM D2273	Centrifuge, Visual Volume Characteristic	F1, F2	F
Mechanical	Oils	Contamination, Particulate and filter time	FTM-3009 ARP598B	Filters, Analytical Scale	F1, F2	F
Mechanical	Oils	Particulate Contamination	FTM-3012	HIAC Counter	F1, F2	F
Mechanical	Oils	Insoluble Contamination of Hydraulic Fluids	ASTM D4898 FTM-3010	Filters, Analytical Scale	F1, F2	F
Mechanical	Oils	Boiling Point	ASTM D1120	Temperature Visual Attribute	F1, F2	F
Mechanical	Oils	Freezing Point	ASTM D1177	Temperature Data Logger	F1, F2	F
Mechanical	Oils	Precipitation Number	ASTM D91	Centrifuge, Visual Inspection	F1, F2	F
Mechanical	Oils	Gravity, API	ASTM D287	Hydrometer	F1, F2	F
Mechanical	Oils	Gravity, Lipkin Bicapillary	ASTM D1481	Pycnometer	F1, F2	F



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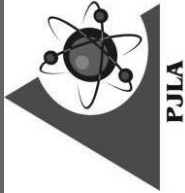
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Mechanical	Oils	Gravity, Specific	ASTM D1298	Hydrometer	F1, F2	F
Mechanical	Oils	Color	ASTM D1500 ASTM D156	Oil Comparator Outfit	F1, F2	F
Mechanical	Oils	Color Platinum-Cobalt Scale	ASTM D1209	Turbidimeter	F1, F2	F
Mechanical	Oils	Specific Gravity of Engine Coolant	ASTM D1122	Hydrometer	F1, F2	F
Mechanical	Oils	Flash and Fire Points	ASTM D93	Pensky Martin Closed Cup	F1, F2	F
Mechanical	Oils	High Pressure Spray Ignition	FTM-6052	High Pressure Spray Apparatus, Visual Characteristic	F1, F2	F
Mechanical	Oils	Wick Ignition	FTM-352	Wick Ignition Apparatus	F1, F2	F
Mechanical	Oils	Tag Open Cup	ASTM D1310	Tag Open Cup Tester	F1, F2	F
Mechanical	Oils	Tag Closed Cup	ASTM D56	Tag Closed Cup Tester	F1, F2	F
Mechanical	Oils	Flame Propagation	ASTM D5306	Time Characteristic	F1, F2	F
Mechanical	Oils	Distillation	ASTM D86	Distillation Apparatus	F1, F2	F
Mechanical	Oils	Titer Point of Fatty Acids	ASTM D1982	Temperature Visual Attribute	F1, F2	F
Mechanical	Oils	Air Release Properties	ASTM D3427 ASTM DIN51381	Analytical Scale	F1, F2	F
Mechanical	Oils	Quenching Time of Heat-Treating Fluids	ASTM D3520 ASTM D6200	Quench Probe, Temperature Recorder	F1, F2	F
Mechanical	Oils	Low Temperature Turbidity	Mil-Prf-17111 PLTL-13	Turbidimeter	F1, F2	F
Mechanical	Oils	Specific Heat	ASTM E1269	DSC	F1, F2	F
Mechanical	Oils	Refractive Index	ASTM D1747 ASTM D1218	Refractometer	F1, F2	F
Mechanical	Oils	Surface Tension	ASTM D1331	Tensiometer	F1, F2	F



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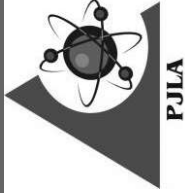
Petro Lubricant Testing Laboratory, Inc.

116 Sunset Inn Road, Lafayette, NJ 07848

Contact Name: John Wintermute Phone: 973-579-3448

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
Mechanical	Oils	Calculation of Carbon Distribution and Structural Group Analysis by the n-d-M Method % Ca Aromatic Carbon % Cr Carbon in Rings % Cn Napthenic Carbon % Cp Paraffinic Carbon	ASTM D3238	Calculation	F1, F2	F
Mechanical	Oils	Density, API Gravity	ASTM D4052	Digital Density Meter	F1, F2	F
Mechanical	Oils and Greases	Friction Analysis	PL-TL-95	Shell 4-Ball Wear Machine	F1, F2	F
Mechanical	Oils and Greases	US Steel Retention Test	USS-IRT	Timken Machine	F1, F2	F
Mechanical	Oils and Greases	Load Wear Index	ASTM D2596 ASTM D2783	4-Ball EP	F1, F2	F
Mechanical	Oils and Greases	Mean Hertz Load	FTM-6503	4-Ball EP	F1, F2	F
Mechanical	Oils and Greases	Falex Pin & V Block Test	ASTM D2625	Falex Pin & V Test Machine	F1, F2	F
Mechanical	Oils and Greases	Falex Pin & V Block Test	ASTM D3233	Falex Pin & V Test Machine	F1, F2	F
Mechanical	Oils and Greases	Falex Pin & V Block Tooth Wear Test	ASTM D2670 ASTM D5620	Falex Pin & V Machine	F1, F2	F
Mechanical	Oils and Greases	Falex Ring on Block	ASTM D2714	Falex Friction and Wear Test Machine	F1, F2	F
Mechanical	Oils and Greases	Gear Wear, Navy	FTM-335	Gear Wear Test Machine	F1, F2	F
Mechanical	Oils and Greases	Corrosiveness (Bimetallic Couple)	FTM-5322 ASTM D6547	Humidity Chamber, Visual Attribute	F1, F2	F
Mechanical	Oils and Greases	Humidity Cabinet Test	ASTM D1748 FTM-5329	Humidity Chamber, Visual Attribute	F1, F2	F
Mechanical	Oils and Greases	Salt Spray Corrosion	FTM-4001.2	Salt Spray Cabinet, Visual Attribute	F1, F2	F
Mechanical	Oils and Greases	Salt Spray Corrosion Test	ASTM B117	Salt Spray Cabinet, Visual Attribute	F1, F2	F



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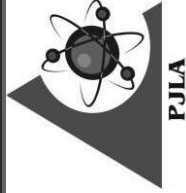
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Mechanical	Oils and Greases	Emcor Rust Test	ASTM D6138 IP-220 DIN 51802	Emcor Test Machine, Visual Attribute	F1, F2	F
Mechanical	Oils and Greases	Elastomer Compatibility	ASTM D471	Analytical Scale, Durometer	F1, F2	F
Mechanical	Oils and Greases	Elastomer Compatibility NBR-L CR Type	ASTM D4289 AMS-3217/2C AMS-3217/3C	Analytical Scale, Durometer	F1, F2	F
Mechanical	Oils and Greases	O-Rings	ASTM D1414	Analytical Scale, Durometer	F1, F2	F
Mechanical	Oils and Greases	Hardness	ASTM D2240	Durometer	F1, F2	F
Mechanical	Oils and Greases	Swelling of Rubber-FS, FA, QVI	Mil-Prf-7808 FTM-3604 FTM-3432	Analytical Scale, Durometer, Instron	F1, F2	F
Mechanical	Oils and Greases	Swelling of Rubber-FA	Mil-Prf-23699 FTM 3432 FTM 3433	Analytical Scale, Durometer, Instron	F1, F2	F
Mechanical	Oils and Greases	Swelling of Rubber-L	FTM-3603	Analytical Scale, Durometer	F1, F2	F
Mechanical	Oils and Greases	Swelling of Rubber-H	FTM-3604	Analytical Scale, Durometer	F1, F2	F
Mechanical	Oils and Greases	Evaporation Loss	ASTM D972	Analytical Scale	F1, F2	F
Mechanical	Oils and Greases	Evaporation Loss	ASTM D2595	Analytical Scale	F1, F2	F
Mechanical	Oils and Greases	Flash and Fire Points	ASTM D92	Cleveland Open Cup	F1, F2	F
Mechanical	Oils and Greases	Autoignition Temperature	ASTM D2155 ASTM E659	AIT Furnace, Visual Attribute, Time	F1, F2	F
Mechanical	Oils and Greases	Water by Distillation	ASTM D95	Distillation Apparatus	F1, F2	F
Mechanical	Oils and Greases	Vapor Pressure by Isoteniscope	ASTM D2879:	Isoteniscope	F1, F2	F
Mechanical	Oils, Greases, Pastes	Thermal Conductivity, Thermal Diffusivity, and Volumetric Heat Capacity	ASTM D7896	Transient Hot Wire Liquid Thermal Conductivity Measurement Apparatus	F1, F2	F



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

1. Location of activity:

Location

F

Conformity assessment activity is performed at the CABs fixed facility

Location

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

