Tests by Category

Gold bullets indicate ISO/IEC 17025:2017 Accreditation

Viscosity

	Method	Test Description	Sample Size
•	ASTM D97	Pour Point	100 mL
	ASTM D217	Cone Penetration, Grease, Unworked	800 g
•	ASTM D445	Kinematic Viscosity, 0°C and Above	125 mL
•	ASTM D445	Kinematic Viscosity, 40°C or 100°C, New Oil	125 mL
•	ASTM D445	Kinematic Viscosity, Below 0°C	125 mL
•	ASTM D445	Kinematic Viscosity, Used or In-Service Oil	125 mL
	ASTM D1084 B	T-Bar Viscosity of Adhesives	Varies
	ASTM D1092	Apparent Viscosity, Grease	500 g
	ASTM D1478	Low Temperature Torque - Grease	10 g
•	ASTM D2270	Viscosity Index (Includes D445 at 40°C & 100°C)	125 mL
	ASTM D2422 & D445	Industrial Fluid Lubricants by Viscosity System	125 mL
	ASTM D2532	Viscosity Stability at Low Temperature	125 mL
	ASTM D2603	Sonic Shear, Oils	100 mL
•	ASTM D2983	Brookfield Viscosity, +20°C to -60°C (Per Temperature)	60 mL
•	ASTM D3829	Mini-Rotary Viscosity (MRV), Single Temperature	200 mL
	ASTM D4287	High-Shear Viscosity Using a Cone/Plate Viscometer	10 mL
•	ASTM D4683	High Temperature High Shear / TBS Viscosity, 150°C, New Oil	150 mL
•	ASTM D4683	High Temperature High Shear / TBS Viscosity, 150°C, Used Oil	150 mL
	ASTM D4683 Mod.	High Temperature High Shear / TBS Viscosity, Below 50°C	150 mL
	ASTM D4683 Mod.	High Temperature High Shear / TBS Viscosity, Multi-Temperature, Multi-Shear	150 mL
	ASTM D4683 Mod.	High Temperature High Shear / TBS Viscosity, Other Shear	150 mL
	ASTM D4683 Mod.	High Temperature High Shear / TBS Viscosity, Other Temperature	150 mL
•	ASTM D4684	TP-1 MRV Viscosity, Single Temperature	100 mL
•	ASTM D5133	Scanning Brookfield Viscosity (-5°C to -40°C)	50 mL
•	ASTM D5133	Scanning Brookfield Viscosity, Extended Temperature Range	50 mL
	ASTM D5275	Fuel Injector Shear Stability (FISST), 20 Passes	500 mL
	ASTM D5275	Fuel Injector Shear Stability (FISST), 30 Passes	500 mL
	ASTM D5275	Fuel Injector Shear Stability (FISST), 40 Passes	500 mL
	ASTM D5275	Fuel Injector Shear Stability (FISST), Other Passes	500 mL
•	ASTM D5293	Cold Cranking Simulator, Single Temperature	120 mL
	ASTM D5293 Mod.	Cold Cranking Simulator, Temperature Scan	120 mL
	ASTM D5621	Sonic Shear, Hydraulic Fluids	100 mL
	ASTM D5853	Pour Point for Crude Oils	100 mL
	ASTM D6022	Calculated Permanent Shear Stability Index	-
•	ASTM D6278	Kurt Orbahn Shear Stability, 30 Passes	1 L
	ASTM D6278 Mod.	Kurt Orbahn Shear Stability, Custom Number of Passes	1 L
	ASTM D6278 Mod.	Kurt Orbahn Shear Stability, 90 Passes	1 L
•	ASTM D6616	High Temperature High Shear / TBS Viscosity, 100°C, New Oil	150 mL
•	ASTM D6616	High Temperature High Shear / TBS Viscosity, 100°C, Other Shear	150 mL
•	ASTM D6616	High Temperature High Shear / TBS Viscosity, 100°C, Used Oil	150 mL
•	ASTM D7109	Kurt Orbahn Shear Stability - Includes 30 and 90 Passes	1 L
	CEC L-036-90 Mod.	High Temperature High Shear Viscosity, 150°C, New Oil	150 mL
	CEC L-036-90 Mod.	High Temperature High Shear Viscosity, 150°C, Used Oil	150 mL
•	CEC L-45-99 Mod. & D445	KRL Shear Custom Hours + 1 Temperature pre & post shear KV	100 mL
•	CEC L-45-99 Mod. & D2270	KRL Shear 04 Hours + pre & post shear VI	100 mL
	DIN 51805	Flow Pressure, Kesternich Method	50 g

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Tests by Category

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Viscosity

Method	Test Description	Sample Size
FTM 203C	Stable Pour Point	200 mL
FTM 3456	Channeling Characteristics	1 L
SAEJ1703 LTF	Fluidity At Low Temperature	300 mL
SAVLAB CAP	Cone and Plate Viscosity	20 mL
SAVLAB FEI	Fuel Efficiency Index (FEI)	300 mL
SAVLAB LINPUMP	Lincoln Vent Meter Pumpability, Below 0°C	800 g
SAVLAB LINPUMP	Lincoln Vent Meter Pumpability, Room Temperature	800 g
SAVLAB TBR	High Temperature Low Shear / TBR Viscosity, New Oil	150 mL
SAVLAB TBR	High Temperature Low Shear / TBR Viscosity, Other Shear	150 mL
SAVLAB TBR	High Temperature Low Shear / TBR Viscosity, Other Temperature	150 mL
SAVLAB TBR	High Temperature Low Shear / TBR Viscosity, Used Oil	150 mL
SAVLAB VLP	Viscosity Loss Profile (VLP), 20 Passes	1 L
SAVLAB VLP	Viscosity Loss Profile (VLP), 30 Passes	1 L
SAVLAB VLP	Viscosity Loss Profile (VLP), 40 Passes	1 L
US Steel LT-37	Grease Mobility	50 mL

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Form No. 24-2D-W