

Savant Labs

Laboratory Testing Services

Tests by Category

Highlighted Tests are ISO/IEC 17025:2005 Accredited

Viscosity & Shear Stability

Method	Test Description	Sample Size
ASTM D97	Pour Point	100 mL
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, Low Temperature with Linearity Validation	375 mL
ASTM D445	Kinematic Viscosity, Used or In-Service Oil	125 mL
ASTM D1084 B	T-Bar Viscosity	Varies
ASTM D1092	Apparent Viscosity, Grease	500 g
ASTM D2270	Viscosity Index (Includes D445 at 40°C & 100°C)	125 mL
ASTM D2603	Sonic Shear, Oils	100 mL
ASTM D2983	Brookfield Viscosity, +20°C to -60°C (Per Temperature)	200 mL
ASTM D3829 Mod.	Mini-Rotary Viscosity (MRV), Single Temperature	200 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	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 D6278	Kurt Orbahn Shear Stability, 30 Passes	1 L
ASTM D6278 Mod.	Kurt Orbahn Shear Stability, 100 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-45-99 Mod. & D445	KRL Shear 04 Hours + 1 Temperature pre & post shear KV	100 mL
CEC L-45-99 Mod. & D445	KRL Shear 08 Hours + 1 Temperature pre & post shear KV	100 mL
CEC L-45-99 Mod. & D445	KRL Shear 20 Hours + 1 Temperature pre & post shear KV	100 mL
CEC L-45-99 Mod. & D445	KRL Shear 30 Hours + 1 Temperature pre & post shear KV	100 mL
CEC L-45-99 Mod. & D445	KRL Shear 40 Hours + 1 Temperature pre & post shear KV	100 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
CEC L-45-99 Mod. & D2270	KRL Shear 08 Hours + pre & post shear VI	100 mL
CEC L-45-99 Mod. & D2270	KRL Shear 20 Hours + pre & post shear VI	100 mL
CEC L-45-99 Mod. & D2270	KRL Shear 30 Hours + pre & post shear VI	100 mL
CEC L-45-99 Mod. & D2270	KRL Shear 40 Hours + pre & post shear VI	100 mL
CEC L-45-99 Mod. & D2270	KRL Shear Custom Hours + pre & post shear VI	100 mL

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Method	Test Description	Sample Size
CEC L-45-99 Mod. & ASTM D445	Shear Stability, KRL (Tapered Roller Bearing Test) 40 Hours	100 mL
FTM 203C	Stable Pour Point	200 mL
SAVLAB CAP	Cone & Plate Viscosity	10 mL
SAVLAB FEI	Fuel Efficiency Index (FEI)	300 mL
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