

# Savant Labs

## Laboratory Testing Services

### Tests by Category

Highlighted Tests are ISO/IEC 17025:2005 Accredited

<i>Performance / Wear</i>		
Method	Test Description	Sample Size
ASTM D877	Dielectric Breakdown Voltage	800 mL
ASTM D1264	Water Washout (Single Temperature)	50 g
ASTM D1478	Low Temperature Torque	10 g
ASTM D1742	Oil Separation, Storage of Greases	300 g
ASTM D2070	Thermal Stability (Hydraulic Fluids)	300 mL
ASTM D2266	Four Ball Wear (Grease)	100 g
ASTM D2509	Timken OK Load for Grease (Specify starting load)	3400 g
ASTM D2619	Hydrolytic Stability	250 mL
ASTM D2670	Falex Pin & Vee Wear	200 mL
ASTM D2670 Mod.	Falex Pin & Vee Wear, Close Step	200 mL
ASTM D2782	Timken Extreme Pressure (Specify starting load)	4 L
ASTM D2783	Four Ball Extreme Pressure Up to 400 kg.	200 mL
ASTM D2783	Four Ball Extreme Pressure Above 400 kg.	200 mL
ASTM D3233	Falex Extreme Pressure	200 mL
ASTM D3524	Fuel Dilution, Diesel (Requires 250 mL of new oil and fuel)	10 mL
ASTM D3525	Fuel Dilution, Gasoline	10 mL
ASTM D3527	High Temperature Life, Wheel Bearing Grease	100 mL
ASTM D4170	Fretting Wear, Grease	25 mL
ASTM D4172	Four Ball Wear	100 mL
ASTM D4693	Low Temperature Torque, Grease	50 mL
ASTM D5182	FZG Gear Test - Up to 12 Stages	2 L
ASTM D5182	FZG Gear Test - Up to 14 Stages	2 L
ASTM D5183	Coefficient of Friction by Four Ball	100 mL
ASTM D6200	Cooling Curve Analysis of Quench Oils	4 L
ASTM D7216	GF-5 Elastomer Compatibility, ACM, Polyacrylate	1.2 L
ASTM D7216	GF-5 Elastomer Compatibility, FKM, Fluoroelastomer	1.2 L
ASTM D7216	GF-5 Elastomer Compatibility, HNBR, Nitrile	1.2 L
ASTM D7216	GF-5 Elastomer Compatibility, MAC, Ethylene Acrylate	1.2 L
ASTM D7216	GF-5 Elastomer Compatibility, VMQ, Silicone	1.2 L
ASTM D7216	GM dexos1:2015 Elastomer Compatibility, ACM Polyacrylate	1.2 L
ASTM D7216	GM dexos1:2015 Elastomer Compatibility, FKM, Fluoroelastomer	1.2 L
ASTM D7216	GM dexos1:2015 Elastomer Compatibility, HNBR, Nitrile	1.2 L
ASTM D7216	GM dexos1:2015 Elastomer Compatibility, VMQ, Silicone	1.2 L
ASTM D7216	HDD Elastomer Compatibility, ACM, Polyacrylate	1.2 L
ASTM D7216	HDD Elastomer Compatibility, FKM, Fluoroelastomer	1.2 L
ASTM D7216	HDD Elastomer Compatibility, MAC, Vamac	1.2 L
ASTM D7216	HDD Elastomer Compatibility, NBR, Nitrile	1.2 L
ASTM D7216	HDD Elastomer Compatibility, VMQ, Silicone	1.2 L
SAVLAB GES	GE Locomotive Specification (GE Package 1, B82-1 test)	1 L