

Wear / Performance / Simulation

Method	Test Description	Sample Size
• ASTM D2266	Four Ball Wear (Grease)	100 g
ASTM D2509	Timken OK Load for Grease (Specify starting load)	3400 g
• ASTM D2596	Four Ball Extreme Pressure (Grease) Up to 400 kg	500 g
• ASTM D2596	Four Ball Extreme Pressure (Grease) Above 400 kg	500 g
ASTM D2622	Sulfur by XRF - Wavelength Dispersive	30 mL
ASTM D2670	Falex Pin & Vee Wear	200 mL
ASTM D2670 Mod.	Falex Pin & Vee Wear - Custom Configuration	200 mL
ASTM D2711	Demulsibility - Procedure A (No EP Additives)	2 L
ASTM D2711	Demulsibility - Procedure B (Contains EP Additives)	2 L
ASTM D2714	Block on Ring Friction and Wear	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 D4170	Fretting Wear, Grease	25 mL
• ASTM D4172	Four Ball Wear	100 mL
ASTM D4289	Elastomer Compatibility NBR L and CR Grease	400 g
ASTM D4289	Elastomer Compatibility NBR L or CR Grease	200 g
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 D5620	Drain and Dry Mode Using Falex Pin & Vee Block Test Machine	100 mL
ASTM D5706	Extreme Pressure Properties of Lubricating Greases Using SRV, Procedure A	20 g
ASTM D5706	Extreme Pressure Properties of Lubricating Greases Using SRV, Procedure B	20 g
ASTM D5707	Friction and Wear Properties of Lubricating Grease Using SRV	20 g
ASTM D6079	Lubricity by HFRR	10 mL
ASTM D6425	Friction and Wear Properties of Extreme Pressure (EP) Using SRV	20 mL
ASTM D7217	Extreme Pressure Properties of Solid Bonded Films Using a High-Frequency, Linear-Oscillation SRV	100 g
ASTM D7420	Tribomechanical Properties of Grease Lubricated Plastic Socket Suspension Joints Using a High-Frequency, Linear-Oscillation SRV	100 g
ASTM D7421	Extreme Pressure Properties of Lubricating Oils Using High-Frequency, Linear-Oscillation Using SRV	100 g
ASTM D7594	Fretting Wear Resistance of Lubricating Greases Under High Hertzian Contact Pressures Using a High-Frequency, Linear-Oscillation SRV	50 g
ASTM G 99	Wear Testing with a Pin-on-Disk Apparatus.	100 g
DIN 50324	Tribological Testing - Friction and Wear Model Test for Sliding Friction of Solids (Ball on Disc System)	100 g
DIN 51834	Tribological Test - Translatory Oscillation Apparatus - Part 2: Determination of Friction and Wear Data for Lubricating Oils.	100 g
DIN ISO 7148-1	Tribological Test - Metallic Bearing Materials for Plain Bearings Under Conditions of Boundary Lubrication	100 g
DIN ISO 7148-2	Tribological Test - Polymer-Based Plain Bearing Materials Under Specified Working Conditions	100 g

