

TRIBOLUBE[®]-38

Special Purpose Grease

CHARACTERISTICS

Tribolube-38 is a wide temperature range, extreme pressure, antiwear, multipurpose synthetic grease with good antioxidation characteristics.

APPLICATIONS

This grease is especially suitable for very heavily loaded sliding and rolling applications including ball, roller, needle, plain spherical bearings and ball screws.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-40°F to 450°F
NLGI No.			1
Worked Penetration	ASTM D-1403	60 strokes	262
Worked Stability	FED-STD-791 Method 313	100,000 strokes	320
Copper Corrosion	ASTM D-4084	24 hrs @ 212°F	1a, No Stain
Evaporation	ASTM D-2595	22 hrs @ 400°F	4.75%
		22 hrs @ 450°F	10.61%
Oil Separation	FED-STD-791 Method 321	30 hrs @ 350°F	4.87%
Water Washout	ASTM D-1264	1 hr @ 105°F	0.46%
Bomb Oxidation	ASTM D-942	100 hrs @ 210°F	-0.50 psi
Falex EP Test	ASTM D 2625	Fail Load	1,250 lbs
Rust Preventative Properties	ASTM D-1743	48 hrs @ 125°F	
Load Wear Index	ASTM D-2596	@ 77°F	33.38
Last Non-seizure		Load/Wear Scar	80 kg/0.41 mm
Last Seizure		Load/Wear Scar	126 kg/2.36 mm
Weld Point		Load	160 kg
Steel-on-Steel	ASTM D-2266	1,200 rpm, 40 kg, 167°F, 1 hr, 52100 Steel	0.50 mm
High Temp. Performance	ASTM D-3336	10,000 rpm, 400°F, 5 lbs	616 hrs
Low Temperature Torque	ASTM D-1478	@ -20°F, Starting	715 gm-cm
		Running 10 mins	293 gm-cm
		Running, 60 mins	195 gm-cm
		@ -40°F, Starting	4,388 gm-cm
		Running, 10 mins	2,730 gm-cm
		Running, 60 mins	1,950 gm-cm
Rubber Swell	FED-STD-791 Method 3603	"L" Stock 168 hrs @ 158°F	25.54%

Extending Component Life with Tribolube Synthetic Lubricants[®]