TRIBOLUBE®-1500RPA

Fluorinated Polyether Greases

CHARACTERISTICS

Tribolube-1500RPA is a wide temperature range antirust grease especially useful in textile manufacturing, vacuum and other systems where high temperature performance, nonreactivity with chemicals, strong acids and oxidizers, fuels, and solvents is required. Although this lubricant is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain conditions.

APPLICATIONS

This grease is suitable in applications including small and large diameter ball, roller, needle, and plain bearings, electrical contacts, threads, valves, gears, contacts, splines, ball screws, and screw actuators. It can be used to lubricate segments in radially divided tire forms and molds and submerged chains and bearings. It is compatible with most elastomers and plastic seals, gaskets and O-rings.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-25º to 550ºF
NLGI Number			2
Unworked Penetration	ASTM D-1403	@ 77ºF	291
Worked Penetration	ASTM D-1403	60 Strokes	283
Oil Separation	FED-STD-791 Method 321	30 hrs @ 400ºF	9.79%
Specific Gravity			1.9 gm/cm
Evaporation	ASTM D-2595	22 hrs @ 400ºF	2.46%
Low Temperature Torque	ASTM D-1478	@ 10ºF, starting	748 gm-cm
		60 min running	358 gm-cm
		@ 0ºF, Starting	5,948 gm-cm
		60 min running	650 gm-cm
		@-20ºF, starting	6,760 gm-cm
		60 min running	6,760 gm-cm
Copper Corrosion	FED-STD-791 Method 5309	24 hrs @ 212ºF	1B
Load Wear Index	ASTM D-2596		117.68
Last Non-seizure		Load/Wear Scar	100 / 0.464 mm
Last seizure		Load/Wear Scar	400 / 1.136 mm
Weld Point		Load	500 kg
Steel-on-Steel Wear	ASTM D-2266	1200 rpm, 40 kg, 1 hrs @ 167ºF, 52100 steel	0.97 mm
High Temperature Performance	ASTM D-3336	20,000 rpm @ 400ºF, 5 lb. load	>600 hrs
		10,000 rpm @ 400ºF, 5 lb.load	>2,000 hrs
		10,000 rpm @ 425ºF, 5 lb. load	>2,000 hrs
Film Stability & Steel Corrosion	Mil-G-27617D	168 hrs @ 212ºF	Pass
Water Washout	ASTM D-1264	1 hrs @ 105ºF	0.03%
Resistance to Aqueous Solution	FED-STD-791 Method 5415	168 hrs @ 77ºF	Pass
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 1,100 mm	No Reaction
Fuel Stability Fuel Resistance	FED-STD-791 Method 5414	@ 77ºF 8 hrs @ 77ºF	0.09% Pass