

TRIBOLUBE[®]-64RPC

Fluorinated Polyether Grease

CHARACTERISTICS

TRIBOLUBE-64RPC primary characteristic is that it has extremely low start run torques at -100°F, yet will operate at temperatures of 400°F for a period of time. Tribolube-64RPC is nonreactive with strong acids, oxygen, fuels, and solvents. It is an excellent anti-wear, extreme pressure lubricant with long life. Although this lubricant is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the grease under certain conditions. Tribolube-64RPC has a 24 month shelf life in original sealed container stored between 60°F - 90°F.

APPLICATIONS

TRIBOLUBE-64RPC is intended for use in small and large diameter ball, roller, needle, and plain bearings, threads, valves, gears, and screw actuators. It is compatible with most elastomers and plastic seals, gaskets and O-rings.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-100° to 400°F
NLGI Number			1
Unworked Penetration	ASTM D-1403	@ 77°F	318
Worked Penetration	ASTM D-1403	60 Strokes	320
Oil Separation	FED-STD-791 Method 321	30 hrs @ 250°F	6.52%
		30 hrs @ 400°F	13.52%
Evaporation	ASTM D-2595	22 hrs @ 250°F	1.5%
		22 hrs @ 400°F	19.8%
Low Temperature Torque	ASTM D-1478	@ -65°F, starting	480 gm-cm
		60 min running	96 gm-cm
		@ -100°F, starting	2,065 gm-cm
		60 min running	244 gm-cm
Copper Corrosion	FED-STD-791 Method 5309	24 hrs @ 212°F	1B
Load Wear Index	ASTM D-2596		125
Last Non-seizure		Load/Wear Scar	50 kg/1.29 mm
Last seizure		Load/Wear Scar	500 kg/ 2.1
Weld Point		Load	620 kg
Steel-on-Steel Wear	ASTM D-2266	1200 rpm, 40 kg, 1 hrs @ 167°F, 52100 steel	0.66 mm
Dropping Point	ASTM D-2265		146°C
High Temperature Performance	ASTM D-3336	10,000 rpm @ 400°F 5 lb. load	NA
Film Stability & Steel Corrosion	Mil-G-27617D	168 hrs @ 212°F	Pass
Water Washout	ASTM D-1264	1 hr @ 105°F	3.41%
Resistance to Aqueous Solution	FED-STD-791 Method 5415	168 hrs @ 77°F	Pass
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 1,100 mm	No Reaction
Fuel Stability	FED-STD-791	@ 77°F	0.21%
Fuel Resistance	Method 5414	8 hrs @ 77°F	Pass
Oxidation Stability	ASTM D-942	100 hours @ 212°F	0 psi
		500 hours @ 212°F	0 psi