

TRIBOLUBE[®]-13F

Fluorinated Polyether Greases

CHARACTERISTICS

TRIBOLUBE-13F is one of a series of greases developed for use in mild to low pressure systems where nonreactivity with strong chemicals, strong acids and oxidizers, fuels, and solvents is mandatory. This grease is suited for a temperature range of -40°F to 350°F with low RPM and light duty. Although these greases are very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain extreme conditions. Tribolube-13F is available with three different corrosion inhibitors designated by the letters RPA, RPB, & RPC. Please consult with an ALI lubrication engineer to select the correct one for your application.

APPLICATIONS

TRIBOLUBE-13F can be used in electrical contacts, valves, and as an anti-seize thread compound. Tribolube-13F is compatible with elastomeric seals, plastic, gaskets, O-rings, as well as nonreactive with LOX and GOX.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-40°F to 350°F
NLGI Number			3
Unworked Penetration	ASTM D-1403	@ 77°F	221
Worked Penetration	ASTM D-1403	60 Strokes	245
Evaporation	ASTM D-2595	22 hrs @ 212°F	2.2%
		22 hrs @ 300°F	8.8%
		22 hrs @ 400°F	13.3%
Oil Separation	FED-STD-791, Method 321	22 hrs @ 212°F	2.87%
		22 hrs @ 300°F	3.21%
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 43.3 in	No Reaction
Load Wear Index	ASTM D-2596		135
Last Non-seizure		Load/Wear Scar	100kg/0.43 mm
Last Seizure		Load/Wear Scar	500kg/1.12 mm
Weld Load		Load	+800 kg
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 40 kg, 1 hr, 52100 steel @ 167°F	1.09 mm
		1,200 rpm, 40 kg, 2 hrs, 52100 steel @ 167°F	NA
Low Temperature Torque	ASTM D-1478	@ -20°F, Starting	455 gm-cm
		Running 1 hour	163 gm-cm
		@ -40°F, Starting	5,005 gm-cm
		Running 1 hour	1,268 gm-cm
Corrosion on Copper	FED-STD-791, Method 5309	24 hrs @ 212°F	1 b

Extending Component Life with Tribolube Synthetic Lubricants[®]