TRIBOLUBE®-13A

Fluorinated Polyether Greases

CHARACTERISTICS

TRIBOLUBE-13A 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 -110ºF to 150ºF .Although these greases are very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain extreme conditions. Tribolube-13A 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-13A can be used in electrical contacts, and valves. It is especially well suited for extremely cold temperature operation. Tribolube-13A 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			-110ºF to 150ºF
NLGI Number			1
Unworked Penetration	ASTM D-1403	@ 77ºF	340
Worked Penetration	ASTM D-1403	60 Strokes	345
Evaporation	ASTM D-2595	22 hrs @ 125ºF	10.22%
		22 hrs @ 150ºF	21.88%
Oil Separation	FED-STD-791,Method 321	22 hrs @ 212ºF	
		22 hrs @ 300ºF	
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 43.3 in	No Reaction
Load Wear Index	ASTM D-2596		80.91
Last Non-seizure		Load/Wear Scar	50 kg/ 0.38 mm
Last Seizure		Load/Wear Scar	315 kg/ 2.38 mm
Weld Load		Load	620 kg
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 40 kg, 2 hrs, 52100 steel @ 167ºF	2.18 mm
		1,200 rpm, 40 kg, 1 hr, 52100 steel @167ºF	1.14 mm
Low Temperature Torque	ASTM D-1478	@ -100ºF, Starting	1560 g-cm
		Running 1 hour	325 g-cm
		@ -120ºF, Starting	9685 g-cm
		Running 15 min.	12,350 g-cm
Corrosion on Copper	FED-STD-791, Method 5309	24 hrs @ 212ºF	1 b