TRIBOLUBE®-13D

Fluorinated Polyether Greases

CHARACTERISTICS

TRIBOLUBE-13D is qualified to MIL-PRF-27617, Type 1, and MIL-G-47219. Tribolube-13D 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 -75ºF to 300ºF . Although these greases are very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain extreme conditions. Tribolube-13D 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-13D can be used in electrical contacts, valves, and as an anti-seize thread compound. Tribolube-13D 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			-75ºF to 300ºF
NLGI Number			2
Unworked Penetration	ASTM D-1403	@ 77ºF	285
Worked Penetration	ASTM D-1403	60 Strokes	292
Evaporation	ASTM D-2595	22 hrs @ 212ºF	1.45%
		22 hrs @ 300ºF	23.77%
Oil Separation	FED-STD-791,Method 321	22 hrs @ 212ºF	3.86%
		22 hrs @ 300ºF	9.46%
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 43.3 in	No Reaction
Load Wear Index	ASTM D-2596		133
Last Non-seizure		Load/Wear Scar	100 kg/ 0.459 mm
Last Seizure		Load/Wear Scar	500 kg/ 1.286 mm
Weld Load		Load	620 kg
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 40 kg, 1 hr, 52100 steel @ 167ºF	0.85 mm
		1,200 rpm, 40 kg, 2 hrs, 52100 steel @167ºF	1.09 mm
Low Temperature Torque	ASTM D-1478	@ -20ºF, Starting	NA
		Running 1 hour	NA
		@ -65ºF, Starting	2,145 g-cm
		Running 1 hour	585 g-cm
Corrosion on Copper	FED-STD-791, Method 5309	24 hrs @ 212ºF	1 b