TRIBOLUBE-15,-15MS,-15RP,-15V

Fluorinated Polyether Greases

广州孚润 400-992-6811

CHARACTERISTICS

These greases are especially useful in vacuum and other systems where nonreactivity with chemicals, strong acids and oxidizers, fuels, and solvents is required. Each grease is suited for different operating environment temperatures.

Tribolube-15 and Tribolube-15MS respectively meet the requirements for MIL-PRF-27617 Types 4 & 5. Although this lubricant is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain conditions.

APPLICATIONS

Tribolube-15V is recommended for vacuum applications. Tribolube-15RP is available with three different corrosion inhibitors designated by the letter RPA, RPB, & RPC. Please consult with an ALI lubrication engineer to select the correct one for your application. These greases are 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 is compatible with most elastomers and plastic seals, gaskets and O-rings.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES			
			TRIBOLUBE-15	TRIBOLUBE-15MS	TRIBOLUBE-15RPA	TRIBOLUBE-15V
Temperature						
Range			-100°F to 450°F	-100°F to 450°F	-100°F to 450°F	-100°F to 450°F
NLGI No.			2	2	2	2
Unworked Penetration	ASTM D-1403	@ 77°F	291	294	287	292
Worked Penetration	ASTM D-1403	60 Strokes	295	295	275	295
Oil Seperation	FED-STD-791	30 hrs @ 400°F	9.66%	5.70%	11.35%	11.2%
	Method 321	30 hrs @ 450°F	10.24%	22.5%		
Evaporation		22 hrs @ 400°F	4.31%	0.12%	0.08%	
		30 hrs @ 400°F	4.51%	V.12/V		0.08%
	ASTM D-2595	22 hrs @ 450°F		0.18%	0.18%	
	110111111111111111111111111111111111111	72 hrs @ 450°F		2.13%	0.20,0	
		22 hrs @ 500°F		0.80%		
Rust Preventative Properties	ASTM D-1743	48 hrs @ 125°F		0.007/0	Pass	
Low	ASTM D-1478	@ -65°F, Starting	520 gm-cm			910 gm-cm
Temperature		Running	163 gm-cm			390 gm-cm
Torque		@ -100°F,	105 giii-ciii			390 giii-ciii
		Starting	1,450 gm-cm	3,283 gm-cm		3,185 gm-cm
		10 min Running	1,430 gm-cm	2,990 gm-cm		5,165 giii-ciii
		60 min Running	618 gm-cm	2,470 gm-cm		975 gm-cm
Copper Corrosion	FED-STD-791	24 hrs @ 212°F	1h	2,470 gm-cm	1b	773 gill Cill
Copper Corrosion	Method 5309	24 1113 (0) 212 1	10	10	10	
LOX Impact	ASTM D-2512	20 impacts	No Reactions	No Reactions	No Reactions	No Reaction
Sensitivity	1 CT 1 D 250 C	from 43.3 in	170.29		151.05	152.25
Load Wear Index	ASTM D-2596	T 1/XV C		152.25	151.25	
Last Non-seizure		Load/Wear Scar Load/Wear Scar	80 kg/0.52 mm	32 kg/0.31 mm	40 kg/0.40 mm	40 kg/0.40 mm
Last Seizure			600 kg/1.71 mm	800 kg/1.70 mm	800 kg/1.50 mm	800 kg/1.52 mm
Weld Point	1 CT 1 D 22 CC	Load	800 kg	1,000 + kg	1,000 + kg	1,000 + kg
Steel-on-Steel	ASTM D-2266	1200 rpm, 40 kg,				
Wear		1 hr @ 167°F, 52100 Steel	0.70 mm		0.00	0.00
			0.70 111111	0.97 mm	0.90 mm	0.90 mm
		1200rpm, 40 kg,				
		1 hr @ 400°F 52100 Steel	1.12 mm			1 22
II. I.T.	ACTM D 2226	10,000 rpm @ 400°F	1.12 111111			1.33 mm
High Temperature Performance	ASTM D-3336	5 lbs	1,600 + hrs	2.250 + 1		1 200 ± hra
Performance		10,000 rpm @ 450°F	1,000 + 1118	2,250 + hrs		1,800 + hrs
		10,000 rpm @ 450 F	500 + hrs	1.000 + 1		500 + hrs
Eiler Ct-bilite	EED CTD 701	168 hrs @ 212°F	Pass	1,000 + hrs		Pass
Film Stability and Corrosion	FED STD-791 Method 5414		rass	Pass		
Vapor Pressure	Knudsen	@ 68°F		10 ⁻ 12 Torr		10 ⁻ 12 Torr
Dropping Point	ASTM D-2265					438°F
Vacuum Thermal	NASA	24 hrs@				
Stability	SP-R-0022A	6 X 10-6 Torr				0.0707
Weight Loss				0.15%	0.12%	0.07%
Volatile Condensables				0.03%	0.01%	0.00%
Water Vapor		1 1		1		