TRIBOLUBE®-5
Special Purpose Grease

CHARACTERISTICS

This special purpose grease containing over 20 % molybdenum disulfide was designed for use in the very heavily loaded swing wing pivot bearings in the F-111 aircraft.

Tribolube-5 ***no longer*** conforms to the FMS-1071 specifications

APPLICATIONS

This grease was especially designed for heavily loaded journal and plain spherical bearings. It is also recommended for use in heavily loaded sliding applications at high or low temperatures. It has provided exceptional service in bucket loader pivot pins, greatly extending pin life

PERFORMANCE TEST	TEST METHOD	CONDITION	FMS-1071 REQUIREMENTS	TYPICAL VALUES
Temperature Range				-65ºF to 350ºF
NLGI No.				3
Unworked Penetration	ASTM D-1403	@ 77ºF	200 min	249
Worked Penetration	ASTM D-1403	60 Strokes	200 - 250	239
Worked Stability	FED-STD-791 Method 313	100,000 Strokes	280 max	268
Dropping Point	ASTM D-2265		490ºF min	560ºF
Evaporation	ASTM D-2595	22 hrs @ 212ºF		0.41%
		22 hrs @ 350ºF		4.77%
Oil Separation	FED-STD-791 Method 321	30 hrs @ 212ºF	1.25 max	0.25%
		30 hrs @ 350ºF		1.25%
Apparent Viscosity	ASTM D-1092	20 sec @-65ºF	8,000 poises max	6,250 poises
		50 sec @-65ºF	5,000 poises max	3,235 poises
Dirt Count	FED-STD-791 Method 3005	Over 125 microns		2/cc
Rust Preventive Properties	ASTM D-1743	48 hrs @ 125ºF		1
Load Wear Index	ASTM D-2596			77
Steel-on-Steel Wear	ASTM D-2266	1,200 rpm, 75 kg, 167ºF, 2 hrs, 52100 Steel		0.60 mm
Low Temperature Torque	ASTM D-1478	@-65ºF, Starting	2,000 gm-cm max	1,674 gm-cm
		Running	500 gm-cm max	433 gm-cm
MoS Content	FED-STD-791 Method 3710		22% min	23%
Falex Test	FED-STD-791 Method 1071	Load	2,250 min	2,500 lbs.