

TRIBOLUBE[®]-31

Special Purpose Grease

CHARACTERISTICS

Tribolube-31 is a wide temperature range, extreme pressure, antiwear, low water washout, multipurpose synthetic grease.

APPLICATIONS

This grease is especially suitable for very heavily loaded sliding and rolling motions such as those found in roller chain applications. Its good elastomeric compatibility makes it especially suitable for use in O-ring sealed roller chains. It is also intended for use in ball, roller, and plain spherical bearings. The low water washout makes it an ideal lubricant for aircraft and trailer wheel bearings.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-80°F to 400°F
NLGI No.			2
Worked Penetration	ASTM D-1403	60 strokes	292
Worked Stability	FED-STD-791 Method 313	100,000 strokes	384
Dropping Point	ASTM D-2265		650°F
Evaporation	ASTM D-2595	22 hrs @ 350°F	5.24%
Oil Separation	FED-STD-791 Method 321	30 hrs @ 350°F	5.55%
Water Washout	ASTM D-1264	1 hr @ 105°F	0.90%
Bomb Oxidation	ASTM D-942	100 hrs @ 210°F	-14.0 psi
Dirt Count	FED-STD-791 Method 3005	25 - 74 microns	85/cc
		over 75 microns	0/cc
Rust Preventative Properties	ASTM D-1743	48 hrs @ 125°F	1
Load Wear Index	ASTM D-2596	@ 77°F	54.95
Last Non-seizure		Load/Wear Scar	63 kg/0.38 mm
Last Seizure		Load/Wear Scar	250 kg/2.15 mm
Weld Point		Load	315 kg
Steel-on-Steel	ASTM D-2266	1,200 rpm, 40 kg, 167°F, 2 hrs, 52100 Steel	0.61 mm
High Temp. Performance	ASTM D-3336	10,000 rpm, 350°F, 5 lbs	723 hrs
Low Temperature Torque	ASTM D-1478	@ -65°F, Starting	2,210 gm-cm
		Running 10 mins	553 gm-cm
		Running, 60 mins	358 gm-cm
		@ -80°F, Starting	6,695 gm-cm
		Running, 10 mins	3,445 gm-cm
		Running, 60 mins	1,495 gm-cm
Rubber Swell	FED-STD-791 Method 3603	"L" Stock 168 hrs @ 158°F	18.69%

Extending Component Life with Tribolube Synthetic Lubricants[®]