TRIBOLUBE®-L1
Synthetic Lubricating Oil

CHARACTERISTICS

Tribolube-L1 is an oxidatively stable, corrosion resistant, wide temperature range synthetic lubricating oil. It is compatible with most plastic, elastomeric, and rubber seals, gaskets, and O-rings, except EPDM rubber.

APPLICATIONS

This synthetic lubricating oil has a wide range of uses such as in gears, gear boxes, and various instruments including tachometer generator gyros, gimbals, and other applications involving light to heavy loads, small to wide amplitudes of oscillation, high rotational speeds, and where very low foaming and surface adherence is a requirement.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-65ºF to 400ºF
SAE No.			70W
ISO VG	ASTM D-2422		32
Viscosity	ASTM D-445	@ 210ºF	45.8 SUS/5.98 cSt
		@ 100ºF	155.9 SUS/33.2 cSt
		@ 0ºF	806 cSt
		@ -40ºF	7,082 cSt
Viscosity Index	ASTM D-2270		118
Evaporation	ASTM D-2595	6.5 hrs @ 400ºF	5.5%
Flash Point	ASTM D-92		460ºF
Fire Point	ASTM D-92		505ºF
Pour Point	ASTM D-97		Below -65ºF
Load Wear Index	ASTM D-2783		40
Last Non-Seizure		Load/Wear Scar	80 kg/0.39 mm
Last Seizure		Load/Wear Scar	200 kg/2.59 mm
Weld Load		Load	250 kg
Steel-on-Steel Wear	ASTM D-4172	1200 rpm, 40 kg, 52100 Steel, 1 hr	0.70 mm
Specific Gravity	ASTM D1298	@ 60º/60ºF	0.8408
API Gravity	ASTM D-1298		36.8
Rust Preventive Properties	ASTM D-665	Procedure A	Pass
		Procedure B	Pass
Oxidation Test	ASTM D-2893	312 hrs @ 203ºF	
		Viscosity Incr. @ 212ºF	0.90%
		Precipitation No., Orig.	0.0
		Precipitation No., Orig.	0.0
Foam Test	ASTM D-892	Sequence 1 (mls @ 5 min air/mls settling)	5/0 @ 7 sec
		Sequence 2 (mls @ 5 min air/mls settling)	2.5/0 @ 2 sec
		Sequence 3 (mls @ 5 min air/mls settling)	5/0 @ 2 sec
Falex EP Test	ASTM D-3233	Last Pass Load	4,250 lbs
		Conv. to Contact Pressure	202,286 psi