

# TRIBOLUBE<sup>®</sup>-L3

## Synthetic Lubricating Oil

### CHARACTERISTICS

Tribolube-L3 is a light viscosity, 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			-80°F to 300°F
SAE No.			< 0W
ISO VG	ASTM D-2422		15
Viscosity	ASTM D-445	@ 210°F	36.7 SUS/3.16 cSt
		@ 100°F	74.3 SUS/14.20 cSt
		@ 0°F	247 cSt
		@ -40°F	2,560 cSt
		@ -65°F	cSt
Viscosity Index	ASTM D-2270		85
Evaporation	ASTM D-2595	6.5 hrs @ 400°F	2.0%
Flash Point	ASTM D-92		360°F
Fire Point	ASTM D-92		390°F
Pour Point	ASTM D-97		-80°F
Load Wear Index	ASTM D-2783		36.30
Last Non-Seizure		Load/Wear Scar	80 kg/0.41 mm
Last Seizure		Load/Wear Scar	160 kg/2.19 mm
Weld Load		Load	200 kg
Steel-on-Steel Wear	ASTM D-4172	1200 rpm, 40 kg, 52100 Steel, 1 hr	0.65 mm
Specific Gravity	ASTM D1298	@ 60°/60°F	0.8368
API Gravity	ASTM D-1298		37.6
Rust Preventive Properties	ASTM D-665	Procedure A	Pass
		Procedure B	Pass
Oxidation Test	ASTM D-2893	312 hrs @ 203°F	
		Viscosity Incr. @ 212°F	0.97%
		Precipitation No., Orig.	0.0
		Precipitation No., Orig.	0.03 ml
Foam Test	ASTM D-892	Sequence 1 (mls @ 5 min air/mls settling)	15/0 @ 5 sec
		Sequence 2 (mls @ 5 min air/mls settling)	15/0 @ 3 sec
		Sequence 3 (mls @ 5 min air/mls settling)	20/0 @ 5 sec
Falex EP Test	ASTM D-3233	Last Pass Load	4,500 lbs
		Conv. to Contact Pressure	210,000 psi
Timken Load Arm	ASTM D-2782	OK Load, lbs	+90
		Fail Load, lbs	+90
FZG Gear Test		Load Stage	+ 12 Stage