

TRIBOLUBE[®]-L9

Synthetic Lubricating Oil

CHARACTERISTICS

Tribolube-L9 meets the requirements of a SAE 75W-90 gear oil as well the requirements of a SAE 15W-40 engine oil. Tribolube L-9 is a 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			-30°F to 400°F
SAE No.			15W-40/75W-90
ISO VG	ASTM D-2422		100
Viscosity	ASTM D-445	@ 210°F	13.6 cSt
		@ 100°F	100.2 cSt
		@ 0°F	cSt
		@ -40°F	cSt
Viscosity Index	ASTM D-2270		136
Evaporation	ASTM D-2595	6.5 hrs @ 400°F	%
Flash Point	ASTM D-92		450°F
Fire Point	ASTM D-92		F
Pour Point	ASTM D-97		-40°F
Load Wear Index	ASTM D-2783		58
Last Non-Seizure		Load/Wear Scar	126 kg/0.48 mm
Last Seizure		Load/Wear Scar	250 kg/2.60 mm
Weld Load		Load	315 kg
Steel-on-Steel Wear	ASTM D-4172	1200 rpm, 40 kg, 52100 Steel, 1 hr	0.52 mm
Specific Gravity	ASTM D1298	@ 60°/60°F	0.86
API Gravity	ASTM D-1298		32.2
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	1.8%
		Precipitation No., Orig.	0.0
		Precipitation No., Orig.	Trace
Foam Test	ASTM D-892	Sequence 1 (mls @ 5 min air/mls settling)	5/0 @ 60 sec
		Sequence 2 (mls @ 5 min air/mls settling)	Trace/0 @ 3 sec
		Sequence 3 (mls @ 5 min air/mls settling)	5/0 @ 60 sec
Falex EP Test	ASTM D-3233	Last Pass Load Conv. to Contact Pressure	4,750 lbs 237,622 psi
Timken Load Arm	ASTM D-2782	OK Load, lbs	+85
		Fail Load, lbs	+90
FZG Gear Test		Load Stage	+ 12 Stage