

TRIBOLUBE[®]-L5

Synthetic Lubricating Oil

CHARACTERISTICS

Tribolube-L5 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. Tribolube-L5 has also been in Buick-Argo V-6 GTP Lite racing engine and gearbox/differential, SCCA and IMSA production class race car engines, transmissions, and differentials, passenger car engines and transmissions and in off-road and street motorcycle transmissions..

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-40°F to 400°F
SAE No.			10W-30 / 80W
ISO VG	ASTM D-2422		68
Viscosity	ASTM D-445	@ 210°F	61.15 SUS/10.55 cSt
		@ 100°F	367 SUS/79.26 cSt
		@ 0°F	16,736 SUS/3,635 cSt
		@ -40°F	53,734 cSt
Viscosity Index	ASTM D-2270		127
Evaporation	ASTM D-2595	6.5 hrs @ 400°F	%
Flash Point	ASTM D-92		430°F
Fire Point	ASTM D-92		F
Pour Point	ASTM D-97		-45°F
Load Wear Index	ASTM D-2783		57.45
Last Non-Seizure		Load/Wear Scar	126 kg/0.48 mm
Last Seizure		Load/Wear Scar	250 kg/2.62 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	0.8644
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	1.76%
		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 @ 5 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	4,000 lbs 202,980 psi
Timken Load Arm	ASTM D-2782	OK Load, lbs	+85
		Fail Load, lbs	+90
FZG Gear Test		Load Stage	+ 12 Stage