



THE THERMYL-GLYDE[®]

SEVERE SERVICE GEAR AND BEARING OIL

BEYOND SYNTHETIC™

Thermyl-Glyde is an ultra-tough, long life, industrial EP synthetic gear oil proven to make gears run smoother, quieter, cooler and longer without overhauls.

Thermyl-Glyde gains its performance advantage over competing mineral and synthetic oils through its superior blend of synthetic base oils plus Synslide additive technology, Royal Purple's unique, proprietary, noncorrosive, EP additive technology. Thermyl-Glyde protects gears in severe service applications where other EP oils fail.

Thermyl-Glyde is recommended for users looking for much longer oil life and significantly improved gear box reliability and performance.

SYNSLIDE[®] ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide additive technology truly is beyond synthetic.

Synslide additive technology, Royal Purple's tough, EP lubricating film provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and/or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Synslide additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

- **High Film Strength**
Thermyl-Glyde has greater film strength and protects gears and bearings far beyond the ability of conventional EP gear oils.
- **Compatible with Seals**
Thermyl-Glyde has excellent seal compatibility.
- **Shock Load Protection**
Thermyl-Glyde employs a dense, high molecular weight, synthetic cushioning additive to protect against fatigue failure in gears subjected to sudden shock loads.
- **Rapidly Separates from Water**
Water contaminated oil is the number one cause of bearing failures. Thermyl-Glyde rapidly and completely separates from water. This helps to prevent sludge and wear commonly found in wet gear boxes. Water is easily drained from the bottom of the oil reservoir.
- **Longer Oil Life**
Thermyl-Glyde has outstanding oxidation stability, which greatly extends oil change intervals while keeping gear boxes clean.
- **Reduces Bearing Vibrations**
The tough oil film of Thermyl-Glyde coupled with its ability to micro-polish contacting bearing elements provides superior bearing lubrication.
- **Excellent Corrosion Protection**
Synslide additive technology forms an ionic chemical film on metal surfaces, which protects during operation and acts as a preservative oil during shutdown.
- **Saves Energy**
The tough oil film of Thermyl-Glyde and its low coefficient of friction saves energy in gear boxes operating under load.
- **Synthetic Solvency**
The natural solvency of Thermyl-Glyde cleans up dirty gear boxes and keeps them clean.
- **Compatible with Other Oils**
Thermyl-Glyde is compatible and can be mixed with other mineral oils and most synthetic oils. (It is not compatible with silicone or glycol synthetics.)
- **Environmentally Responsible**
Thermyl-Glyde components are TSCA listed and meet EPA, RCRA and OSHA requirements. Thermyl-Glyde extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.

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TYPICAL PROPERTIES*	ASTM METHOD	ISO GRADE										
		32	46	68	100	150	220	320	460	680	1000	1500
AGMA Grade	---	---	1EP	2EP	3EP	4EP	5EP	6EP	7EP	8EP	8AEP	---
Viscosity	D-445											
cSt @ 40°C		32	46	68	100	150	220	320	460	680	1000	1500
cSt @ 100°C		6.1	7.8	10.4	13.6	17.7	23.1	29.5	37.7	49.6	64.8	82.7
Viscosity Index	D-2270	142	141	139	130	130	129	126	125	126	127	124
Flash Point, °F	D-92	420	395	385	375	370	375	375	375	330	355	330
Pour Point, °F	D-6892	-38	-38	-38	-44	-44	-44	-38	-38	-33	-27	-22
Copper Corrosion Test	D-130											
3 Hrs @ 100°C		1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A
Rust Test	D-665											
Fresh Water		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Salt Water		PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Foam Test, Seq II	D-892											
Initial/Final/Time(sec)		0/0/0	0/0/0	9/0/3	13/0/7	1/0/1	1/0/0	0/0/0	1/0/0	0/0/0	1/0/1	0/0/0
Demulsibility Test	D-1401											
Mins @ 130°F		5	5	10	10	5	---	---	---	---	---	---
Mins @ 180°F		---	---	---	---	---	5	5	5	5	5	5
Four Ball EP Test	D-2783											
Weld Load, kgf		315	315	315	315	315	315	400	400	400	400	400
Density, lbs/g	D-4052	7.04	7.10	7.11	7.14	7.24	7.24	7.29	7.33	7.36	7.40	7.41

*Properties are typical and may vary

Note: When changing to Thermyl-Glyde, its solvency cleans wear metals and deposits left behind by previous oils. These wear metals and deposits can cause abnormally high values on used oil analysis until equipment is clean.