



# THERMYL-GLYDE

## SEVERE SERVICE GEAR 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 protects gears and bearings beyond the ability of conventional EP gear oils.

#### Shock Load Protection

Thermyl-Glyde protects against fatigue failure in gears subjected to sudden shock loads.

#### Rapidly Separates from Water

Thermyl-Glyde rapidly and completely separates from water, which is easily drained from the bottom of the oil reservoir.

#### Longer Oil Life

Thermyl-Glyde has outstanding oxidation stability that 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.

#### Saves Energy

The tough oil film of Thermyl-Glyde and low coefficient of friction save 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 Seals

Thermyl-Glyde has excellent compatibility with most seals.



### Compatible with Other Oils

Thermyl-Glyde is compatible with most elastomers and can be mixed with other mineral oils and most synthetic oils. (It is not compatible with silicone or glycol-based synthetics.)

### Environmentally Responsible

Thermyl-Glyde components are TSCA listed and meet EPA, RCRA and OSHA requirements. Synergy extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.

		ISO GRADE					
Typical Properties*	Method	220	320	460	680	1000	1500
AGMA Grade	---	5EP	6EP	7EP	8EP	8AEP	---
Viscosity	D-445						
cSt @ 40°C		220	320	460	680	1000	1500
cSt @ 100°C		23.6	32	40	51.7	69	88.3
Viscosity Index	D-2270	135	135	135	132	130	132
Flash Point, °F	D-92	375	375	375	330	355	330
Pour Point, °F	D-6892	-44	-38	-38	-33	-27	-22
Copper Corrosion Test	D-130	1A	1A	1A	1A	1A	1A
Rust Test	D-665						
Fresh Water		PASS	PASS	PASS	PASS	PASS	PASS
Salt Water		PASS	PASS	PASS	PASS	PASS	PASS
Foam Test, Seq II	D-892	0/0/0	0/0/0	0/0/0	0/0/0	1/0/1	0/0/0
Demulsibility Test	D-1401						
Mins @ 180°F		5	5	5	5	5	5
Four Ball EP Test	D-2783						
Weld Load, kgf		315	315	400	400	400	400
Density, lbs/g	D-4052	7.37	7.42	7.43	7.46	7.46	7.49

\*Properties are typical and may vary.