



SYNERGY WORM GEAR

HIGH PERFORMANCE/SEVERE SERVICE GEAR OIL

BEYOND SYNTHETIC®

Synergy Worm Gear Oil contains slippery synthetic molecules plus special anti-wear additives to provide the lubricity and oiliness properties necessary to excel in worm gear lubrication. Both oils utilize a dense, high molecular weight, synthetic cushioning additive that protects against fatigue failure from sudden shock loads. Royal Purple's worm gear oils are noncorrosive to both ferrous and nonferrous metals. (Note: Worm gear manufacturers state that Sulfur-Phosphorous EP gear oils can cause rapid deterioration of bronze worm gears and should not be used). Their excellent oxidation stability and water separating properties extend oil drain intervals and prevent the formation of sludge that frequently occurs in wet gear boxes.

Synergy Worm Gear Oil is Textron / Cone drive approved.

DYNAGLYDE® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

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

DynaGlyde additive technology forms a tough EP lubricating film that is noncorrosive to both ferrous and nonferrous worm gears. It provides maximum protection for heavily loaded, sliding surfaces typically encountered in worm gear service. It provides extra protection for worm gears operating at slow speeds and under shock load conditions as well. DynaGlyde 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

Excellent Wear Protection

Synergy Worm Gear Oil contain synthetic oils and additives that provide superior protection to equipment.

Lower Coefficient Friction

Synergy Worm Gear Oil saves energy and reduce operating temperatures.

Longer Oil Life

Synergy Worm Gear Oil keeps gear boxes clean and extend oil drain intervals.

Cushioning Molecules

Synergy Worm Gear Oil reduces fatigue failures in bearings and gears.

Prevents Corrosion

Synergy Worm Gear Oil protects both ferrous and nonferrous metals during operation and shutdown.

Typical Properties*	Method	ISO Grade	
		680	1000
AGMA Grade	---	8	8A
Viscosity	D-445		
cSt @ 40°C		680	1000
cSt @ 100°C		46.2	61.6
Viscosity Index	D-2270	116	120
Flash Point, °F/°C	D-92	430/221	480/249
Copper Corrosion Test	D-130		
3 Hrs @ 100°C		1A	1A
Demulsibility Test	D-1401		
Mins @ 180°F		40	40
Density, lbs/g	D-4052	7.44	7.45
Synthetic Fatty Oil	---	YES	YES

**Properties are typical and may vary.*