



TECHNICAL DATA SHEET

PARAGON™ SYNTHETIC BLEND ENCLOSED GEAR OIL

Extreme pressure protection is assured with Paragon™ Synthetic Blend Enclosed Gear Oil, even under the most severe conditions of high load, shock load, and reversing motion. Paragon™ Synthetic Blend Enclosed Gear Oil was designed for use in steel-on-steel as well as steel-on-bronze gearing applications such as worm gears. It may also be used to replace compounded oils.

Enclosed gearing systems in surface mining and mineral processing equipment are subjected to unique and demanding operating conditions. Whitmore's Paragon™ Synthetic Blend Enclosed Gear Oil is formulated specifically for tough mining and industrial applications.

Paragon™ Synthetic Blend is designed for use in mining equipment, yet the benefits translate well into almost any industrial application, especially where equipment is subjected to severe conditions or elevated temperatures.

Paragon™ Synthetic Blend Enclosed Gear Oil offers longer service life with reduced oxidation. Advanced wear protection is achieved by the use of a synergistic blend of synthetic fluids and additive compounds designed for extreme pressure performance.

Paragon™ Synthetic Blend Enclosed Gear Oil contains special rust and corrosion inhibitors. Shear resistant polymers allow Paragon™ Synthetic Blend Enclosed Gear Oil to cling to idle gearing during shutdown. This assures a protective coating during start-up.

BENEFITS:

- **EXTREME PRESSURE** - meets the demands of heavily loaded industrial gears and bearings.
- **ANTIFOAM** - protects seals, lowers temperatures, and aids in extending oil life.
- **OXIDATION RESISTANT** – increases service life of oil. Reduces disposal.
- **TACKY** - allows a protective film of lubricant to cling to gearing surfaces even during long shutdowns.

APPLICATIONS:

Paragon™ Synthetic Blend Enclosed Gear Oil is designed for use in heavily loaded enclosed gearing systems such as draglines, shovels, drills, pulverizers, mills, and other severe applications. Paragon™ is also ideal for planetary drive systems on today's newer mining equipment.

Reduces pitting and spalling on heavily loaded plain and antifriction bearing such as extruder thrust bearings (plastics industry), crusher bearings (cement) and roll neck bearings (primary metals industry).

ASTM #		TYPICAL CHARACTERISTICS				
	ISO Grade	220	320	460	680	1000
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	220	320	460	680	1,000
		21.8	28.5	40.5	49.0	65.0
D-2270	Viscosity Index	119	121	136	124	128
D-97	Pour Point, °F (°C)	-22 (-30)	-22 (-30)	-22 (-30)	-22 (-30)	-20(-29)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.28	7.28	7.28	7.28	7.28
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.87	0.87	0.87	0.87	0.87
D-2782	Timken OK Load, lb	65	65	65	65	65
D-2783	Four Ball EP, Weld Point, kg	315	315	315	315	315
D-4172	Four Ball Wear, Scar Width, mm @ 40 kgf	0.29	0.29	0.29	0.29	0.29
D-665	Rust Test Distilled Water Synthetic Sea Water	Pass	Pass	Pass	Pass	Pass
		Pass	Pass	Pass	Pass	Pass
D-130	Copper Strip Corrosion	1B	1B	1B	1B	1B

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Shuttle Tanks	Nonreturnable Totes	Drums	Kegs	Pails
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THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

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