

PARAGON™ HEAVY DUTY ENCLOSED GEAR OIL

Extreme pressure protection is assured with Paragon™ Enclosed Gear Oil, even under the most severe conditions of high load, shock load, and reversing motion.

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

All Paragon™ Enclosed Gear Oil grades meet the requirements of DIN 51517-3.

BENEFITS:

- **ANTIWEAR** - protects even under severe conditions to extend gear life.
- **ANTIFOAM** - protects seals, lowers temperatures, and aids in extending oil life.
- **LONG LIFE** - Reduces disposal and overall cost.
- **TACKY** - allows a protective film of lubricant to cling to gearing surfaces even during long shutdowns.

APPLICATIONS:

Paragon™ Enclosed Gear Oil is designed for use in heavily loaded gearboxes including planetary drive systems and PIV chain drives.

ASTM #		TYPICAL CHARACTERISTICS									
	Grade	68	100	150	220	320	460	500	680	1000	1500
	AGMA Grade	2EP	3 EP	4 EP	5 EP	6 EP	7 EP	7 EP	8 EP	8A EP	9 EP
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	70 9.0	106 12.0	148 14.9	235 22.0	345 27.0	475 31.0	514 32.0	736 37.0	1,040 52.0	1,630 65.0
D-2161	Saybolt Viscosity SUS @ 100°F SUS @ 210°F	343 56	548 68	749 79	1,295 110	1,783 131	2,512 157	3,038 168	3,980 179	5,577 245	8,831 315
D-2270	Viscosity Index	99	106	100	111	101	96	94	82	97	91
D-97	Pour Point, °F °C	-45 -43	-40 -40	-35 -37	-20 -29	-10 -23	0 -18	5 -15	5 -15	10 -12	20 -7
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity g/cc @ 60°F (15.5°C)	7.40 0.888	7.44 0.893	7.46 0.896	7.50 0.900	7.52 0.905	7.55 0.906	7.77 0.932	7.69 0.923	7.80 0.937	7.84 0.941
D-92	Flash Point, °F °C Cleveland Open Cup	400 204	400 204	400 204	400 204	400 204	400 204	400 204	400 204	400 204	425 218
D-2782	Timken OK Load, lb	60	65	65	65	65	70	70	70	70	70
D-2783	Four Ball EP Weld Point, kg	500	500	500	500	500	500	500	500	500	500
D-4172	Four Ball Wear Scar Width, mm @ kgf	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
D-665	Rust Test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
D-130	Copper Strip Corrosion	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B
D-2893	Oxidation for Lubricating Oils, % Viscosity Change	<6	<6	<6	<6	<6	<6	<6	<6	<6	<5
	FZG Test, Stages Passed	N/A	N/A	N/A	>12	>12	>12	>12	>12	>12	>12

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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For warranty information, scan the QR code.
You can also email us at sales@whitmores.com
Or write to the Sales Department at the address below.

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