

## 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	106	148	235	345	475	514	736	1,040	1,630
		9.0	12.0	14.9	22.0	27.0	31.0	32.0	37.0	52.0	65.0
D-2161	Saybolt Viscosity SUS @ 100°F SUS @ 210°F	343	548	749	1,295	1,783	2,512	3,038	3,980	5,577	8,831
		56	68	79	110	131	157	168	179	245	315
D-2270	Viscosity Index	99	106	100	111	101	96	94	82	97	91
D-97	Pour Point, °F °C	-20	-20	-10	0	5	5	10	15	20	25
		-29	-29	-23	-18	-15	-15	-12	-9	-7	-4
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity g/cc @ 60°F (15.5°C)	7.40	7.44	7.46	7.50	7.52	7.55	7.77	7.69	7.80	7.84
		0.888	0.893	0.896	0.900	0.905	0.906	0.932	0.923	0.937	0.941
D-92	Flash Point, °F °C Cleveland Open Cup	400	400	400	400	400	400	400	400	400	425
		204	204	204	204	204	204	204	204	204	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 FZG Test, Stages Passed	<6	<6	<6	<6	<6	<6	<6	<6	<6	<5
		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](mailto:sales@whitmores.com)  
Or write to the Sales Department at the address below.

930 Whitmore Drive • Rockwall, Texas 75087 • USA • (972) 771-1000 • 800-699-6318  
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