



WITH PARAGON™, EXTREME PRESSURE DELIVERS EXTREME PERFORMANCE.

PARAGON™, PARAGON™ GOLD, PARAGON™ SYN BLEND

The Paragon family of gear oils offer maximum protection against excessive wear, even in the most severe conditions.



HEAVY-DUTY / EXTREME-SERVICE / SYNTHETIC BLEND GEAR OILS

Paragon™ (HEAVY-DUTY ENCLOSED GEAR OIL)

Whitmore's work horse. This robust enclosed gear oil has been protecting gearboxes for over three decades. Paragon is formulated to keep your machinery operating smoothly, especially in high load, shock load and reversing motion scenarios. Favored by mining operators, who appreciate the extended maintenance cycles, this heavy-duty enclosed gear oil works in any severe industrial application.

Use Paragon in heavily loaded gearboxes, including those with planetary drive systems and PIV chain drives.

All Paragon grades meet the requirements of DIN 51517-3.

ASTM#	PARAGON TYPICAL CHARACTERISTICS										
	ISO Grade	68	100	150	220	320	460	500	680	1000	1500
	AGMA Grade	2 EP	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	70	106	148	235	345	475	514	736	1,040	1,630
	cSt @ 100°C	9.0	12.0	14.9	22.0	2	731.0	32.0	37.0	52.0	65.0
D-97	Pour Point, °F (°C)	-45 (-43)	-40 (-40)	-35 (-37)	-20 (-29)	-10 (-23)	0 (-18)	5 (-15)	15 (-9)	10 (-12)	20 (-7)
D-2782	Timken OK Load, lb	60	65	65	65	65	70	70	70	70	70
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
	FZG Test, Stages Passed	N/A	N/A	N/A	>12	>12	>12	>12	>12	>12	>12

Paragon™ Gold (EXTREME-SERVICE GEAR OIL)

The more difficult the application, the better Paragon Gold works. Its unique, low-sludge additive combination ensures smooth gear and bearing contact surfaces, even under the most punishing conditions of extreme load, reversing action and shock load.

In addition to counteracting excessive wear, the eutectic smoothing effect of Paragon Gold will partially flatten pre-existing wear damage, usually within a few hundred hours of operation. This can considerably lengthen the operating window for badly worn equipment, especially where gears are pitted, scuffed or under unusually high load.

Paragon Gold is ideal for use where long component life is essential, or where long intervals between oil changes are unavoidable. Applications where conventional oils fail, Paragon Gold excels.

All Paragon Gold grades meet the requirements of DIN 51517-3.

ASTM#	PARAGON TYPICAL CHARACTERISTICS						
	ISO Grade	220	320	460	680	1000	1500
	AGMA Grade	5 EP	6 EP	7 EP	8 EP	8A EP	9 EP
D-445	Kinematic Viscosity						
	cSt @ 40°C	198 - 242	304 - 336	414 - 504	612 - 748	1,000	1,500
	cSt @ 100°C	18 - 23	24 - 32	31.5 - 38.5	40.5 - 49.5	58.2	75.0
D-97	Pour Point, °F (°C)	0 (-18)	5 (-15)	10 (-12)	10 (-12)	15 (-9)	15 (-9)
D-4172	Four Ball Wear						
	Scar Width, mm @ 40 kgf	0.55	0.55	0.55	0.55	0.55	0.55

Paragon™ Syn Blend (SYNTHETIC BLEND GEAR OIL)

Synthetic components allow Paragon Syn Blend to be used over a wide temperature range, from -40°F (-40°C) to 275°F (135°C). Paragon Syn Blend is non-corrosive and provides excellent extreme pressure and antiwear properties resulting in lower wear. This gear oil is extremely shear-stable, which is necessary to maintain long oil life and extend change-out intervals. Paragon Syn Blend oils reduce gearbox operating temperatures and help dislodge the sludge that often remains from the previous use of inferior products.

Paragon Syn Blend is ideal for heavily loaded gearboxes used in mining and general industry.

ASTM#	PARAGON TYPICAL CHARACTERISTICS						
	ISO Grade	150	220	320	460	680	1000
	AGMA Grade	4 EP	5 EP	6 EP	7 EP	8 EP	8A EP
D-445	Kinematic Viscosity						
	cSt @ 40°C	156	255	320	468	660	1,010
	cSt @ 100°C	17.5	23.7	27.5	33.8	49.0	67.25
D-97	Pour Point, °F (°C)	-15 (-26)	-10 (-23)	-6 (-21)	-6 (-21)	-6 (-21)	15 (-9)
D-2782	Timken OK Load, lb	65	65	65	65	65	65
D-4172	Four Ball Wear						
	Scar Width, mm @ 40 kg	0.37	0.37	0.37	0.37	0.37	0.37
	FZG Test, Stages Passed	12	12	12	12	12	12



- **Excellent wear protection**
- **Extends gear life**
- **Anti-foaming composition**
- **Clings to gear surfaces film**
- **Smooths contact surfaces**
- **Forms rust protective**



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