

INNERSEAL™ LEAK CONTROL GEAR OIL

Whitmore's Innerseal™ Leak Control Gear Oil has been designed to help control gear case leaks. The unique additives employed form small, irregularly shaped particles which agglomerate into an irregular, mesh-like structure. When exposed to the dynamic conditions associated with large gear cases, these structures facilitate a reduction in gear oil loss due to poor seals, small cracks, and loose fits.

Innerseal™ is designed as a maintenance tool to assist maintenance planners in scheduling time-consuming repairs at appropriate, planned shutdown periods. Use Innerseal™ whenever gear case leaks become an exercise in constant refilling and needed maintenance cannot be scheduled immediately.

All viscosity grades of Innerseal™ meet the requirements of DIN 51517-3.

BENEFITS:

- CONTROLS LEAKS - until proper maintenance can be scheduled.
- VERSATILE - may be used in a variety of equipment.
- REDUCES WEAR - protects against scoring, scuffing and gelling, while providing the leakage control.

APPLICATIONS:

Excellent for enclosed industrial and mining gear cases including those experiencing heavy load or shock loading.

Innerseal™ should not be used in systems where the oil is pumped through a filter.

Pump using a diaphragm pump only.

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	159	235	345	475	514	736	1,040	1,630
		9	12	15	22	27	31	32	37	52	65
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	91	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 @ kg	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

Drums	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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