

## GF SERIES™ SYNTHETIC BLEND GEAR OILS

Synthetic components allow these fluids to be used over a wide temperature range, from -40°F (-40° C) to 275°F (135° C).

Unique chemistry provides excellent extreme pressure and anti-wear properties resulting in lower wear.

The GF Series™ is extremely shear-stable, which is necessary to maintain long oil life and extend change-out intervals.

Reduces gearbox operating temperatures.

Helps dislodge the sludge that often remains from the previous use of inferior products.

GF Series™ oils are non-corrosive and compatible with seals.

Compatible with conventional petroleum gear oils as well as synthetic oils, with the exception of PAG (glycols).

### BENEFITS:

- **LOW WEAR** – the additive system prevents scuffing and pitting.
- **SAFE** – will not harm copper-based components such as bearing cages.
- **LONG LIFE** – results from the slow depletion of additives combined with minimal formation of sludge and low levels of wear particles.

### APPLICATIONS:

The GF Series™ is recommended for heavily loaded gearboxes used in mining and general industry. Use in applications calling for oils that meet the specifications GL-2 to GL-5, and Mil-L-2105C. GF oils are not suitable for use in worm gearboxes.

ASTM #		TYPICAL CHARACTERISTICS					
		GF-365-150	GF-365-220	GF-365-320	GF-365-460	GF-365-680	GF-365-1000
	<b>AGMA Grade</b>	4	5	6	7	8	8A
	<b>ISO Grade</b>	150	220	320	460	680	1,000
	<b>API Service No.</b>	GL-5	GL-5	GL-5	GL-5	GL-5	GL-5
<b>D-445</b>	<b>Kinematic Viscosity</b> cSt @ 40°C cSt @ 100°C	156 17.5	255 23.7	320 27.5	468 33.8	660 49.0	1,010 67.25
<b>D-2270</b>	<b>Viscosity Index</b>	123	116	115	107	127	132
<b>D-97</b>	<b>Pour Point, °F (°C)</b>	-15 (-26)	-10 (-23)	-6 (-21)	-6 (-21)	-6 (-21)	0 (-18)
<b>Gardner Method</b>	<b>Density, lb/gal @ 60°F (15.5°C)</b>	7.40	7.45	7.48	7.50	7.65	7.60
<b>D-92</b>	<b>Flash Point, °F (°C)</b> Cleveland Open Cup	430 (221)	450 (232)	450 (232)	450 (232)	460 (238)	440 (227)
<b>D-2782</b>	<b>Timken OK Load, lb</b>	65	65	65	65	65	65
<b>D-2596</b>	<b>Four Ball EP</b> Weld Point, kg	400	400	400	400	400	400
<b>D-4172</b>	<b>Four Ball Wear</b> Scar Width, mm @ 40 kg	0.37	0.37	0.37	0.37	0.37	0.37
<b>D-130</b>	<b>Copper Strip Corrosion</b> 212°F (100°C) @ 3 hr	1b	1b	1b	1b	1b	1b
	<b>FZG Test,</b> Stages Passed	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	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.

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