

MULTIPLUS® ENCLOSED GEAR OIL

Whitmore's Multiplus® Enclosed Gear Oils are extreme pressure lubricants formulated to meet the exacting demands of most types of automotive differentials and transmissions including heavy-duty off-road fleets.

Multiplus® is designed to perform under adverse conditions such as: heavily loaded gears, shock loading, and frequent reversing action. All Multiplus® products meet the performance requirements of extreme pressure lubricants of the American Gear Manufacturer's Association (AGMA) Specification 9005-D94 "Lubrication of Industrial Enclosed Gearing."

Multiplus® lubricants meet or exceed the following specifications for the respective viscosity grades:

U.S. Steel Spec 224	Rockwell D-76 (A,B,C,D,F)
GL-4 & GL-5	GM Spec 9985044
MIL-L-2105E	GM Spec 9985182
John Deere J11D	Chrysler MS 9020
Navistar (IHC) Grades 81 HR, 90HR, 135 HEP	CS 3000 B
Ford EST-M2C-108-C	MT-1
Mack GO-J	

BENEFITS:

- **REDUCES WEAR** - protects against scoring, scuffing and galling to increase gear and bearing life.
- **VERSATILE** - may be used in a variety of equipment and mixed fleets. Reduces inventory.
- **ANTIFOAM** - protects seals and keeps operating temperatures low by breaking up entrapped air bubbles as they form.
- **RAPID DEMULSIFICATION** - separates easily from water. Multiplus® does not lose lubricity due to emulsified water.

APPLICATIONS:

Multiplus® is designed primarily for automotive differentials and transmissions. Multiplus® may be used in severe service over-the-road and off-road applications. It may also be used in industrial gearboxes, oiled bearings, and couplings. Suitable for service-fill on equipment requiring a lubricant with Limited Slip characteristics.

ASTM #	SAE Grade	TYPICAL CHARACTERISTICS	
		80W-90	85W-140
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	220 19	380 30
D-2161	Saybolt Viscosity SUS @ 100°F SUS @ 210°F	1,012 100	2,020 150
D-2270	Viscosity Index	119	111
D-97	Pour Point, °F (°C)	-20 (-29)	0 (-18)
Gardner Method	Density, lb/gal @ 60°F (°C) Specific Gravity, g/cc @ 60°F (°C)	7.45 0.894	7.55 0.906
D-92	Flash Point, °F (°C) Cleveland Open Cup	400 (204)	400 (204)
D-2782	Timken OK Load, lb	55	60
D-2783	Four Ball EP Weld Point, kg Load Wear Index	400 50	400 50
D-4172	Four Ball Wear Scar Width, mm @ 40 kgf	0.33	0.35
D-665	Rust Test Distilled Water	Pass	Pass
D-130	Copper Strip Corrosion 212°F (100°C) @ 3 hr	1B	1B
	Color	Red	Red
D-2711	Demulsibility: Modified for 90 ml Water	Pass*	Pass*

* Applies to U.S. Steel Specification Number 224.

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	Jugs 4 per case
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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.

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