

## MSDS BioGreen UltraGard Full Synthetic Gear Lubricant GL-5 MT-1 & Manual Transmission

*Bio Synthetics for Extended Drain Intervals  
Outstanding Low & High Temperature Protection Full Limited Slip Protection for Gear Oils  
SAE 75W-140 for Ford OEM New Truck Specifications*

### DESCRIPTION

**BioGreen UltraGard Full Synthetic Gear Lubricants MT-1** are premium quality gear oils for transmission and final drives and that meet or exceed the highest industry specifications for automotive and heavy duty gear oils. Designed for extreme pressure (EP) use in offset spiral bevel and hypoid gear sets (ring and pinion gears) in heavy duty trucks, rear wheel drive trucks and automobiles, shaft drive motorcycles and all types of farm, logging and construction equipment where GL-5 heavy duty gear oils are recommended. These oils contain a full limited slip treatment for use in automotive and heavy duty syncro-mesh and limited slip axles. **BioGreen UltraGard Gear Oils** are suitable for extended drain intervals according to manufacturer's recommendations.

**BioGreen UltraGard Full Synthetic 75W-140 Gear Oil** is an extremely versatile gear oil meeting the widest operating temperature ranges for automotive, light, medium and heavy duty trucks, farm, logging and construction equipment. This product meets or exceeds Ford OIM specifications for use in rear axle units per Ford Spec WSL-M2C192A.

**BioGreen UltraGard Full Synthetic Hvy Duty SAE 50 Transmission Fluid** is designed for use in manual transmissions where Non-EP gear oils are specified.

### BENEFITS

- ✓ Biodegradable;
- ✓ BioGreen Synthetic base stocks maximize oxidation resistance;
- ✓ Greater film strength at higher operating temperatures;
- ✓ Reduced wear at start up and ease of startup even in arctic conditions;
- ✓ Extreme pressure additives prevent gear scuffing and scoring;
- ✓ Prevents formation of rust and sludge throughout the system;
- ✓ Prevents corrosion of copper and brass;
- ✓ Outstanding protection and operating performance down to -50° C;
- ✓ Fortified to prevent chatter in limited slip synchromesh drive trains;
- ✓ Extended drain intervals versus conventional products.



- APPLICATION**
- ✓ Ideal for automotive and truck manual transmissions and differentials;
  - ✓ Recommended for limited slip synchromesh drive trains;
  - ✓ Excellent for off-road construction and agricultural equipment;
  - ✓ For use in heavy duty trucks and buses as a final drive lubricant;
  - ✓ Racing and high performance transmissions and differentials;
  - ✓ Construction equipment such as dozers, front end loaders, excavators;
  - ✓ Logging equipment such as skidders, feller bunchers, harvesters and loaders.

<b>PERFORMANCE LEVELS</b> (75W-XX, 80W-XX only)	API Performance Level	GL-5, MT-1, Extreme Pressure Hypoid Gears
	Eaton Roadranger PS-164 Rev. 7	Extended drain interval up to 500,000 miles
	Military Specifications	MIL-PRF-2105D, PRF 2105E
	Mack Truck	GO-G, GO-H, GO-J
	Ford Motor Company	WSL-M2C192-A
	Society Automotive Engineers	SAE 2360

TYPICAL PROPERTIES	Method	75W-90	75W-140	80W-140	SAE 50
API Gravity	D-4052	34.2	34.6	32.7	35.4
Specific Gravity, 60°F	D-1298	0.854	0.852	0.862	0.848
Viscosity, cSt at 40 C	D-445	94.5	168.2	182.1	113.9
Viscosity, cSt at 100 C	D-445	16.7	27.1	26.5	18.9
Viscosity, cP at -40 C	D-2983	85,200	122,000	-	-
Viscosity, cP at -26 C	D-2983	-	-	69,585	-
Viscosity Index	D-2270	192	199	181	187
Pour Point, C (°F)	D-97	-38(-36)	-44(-47)	-29(-20)	-12(-11)
Flash Point, °C (°F)	D-92	242(468)	248(478)	256(493)	250(482)

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

**Health And Safety Information** See separate Material Safety Data Sheets available on request.