



## GIANT SYNTHOR

Fully Synthetic Multi-grade Premium Automotive Gear Oil

### DESCRIPTION

GIANT SYNTHOR is an excellent multi-purpose premium quality gear lubricant blended to meet the multi-grade viscosity requirements described in SAE J306 standards. Formulated with fully synthetic base oils, it is a shear stable lubricant that maintains its viscometric properties throughout its useful life. It imparts extreme pressure (EP) properties on automotive gears, which may be operating under the most severe conditions. Specially selected additives also provide anti-weld, anti-scuff, anti-wear protections necessary in heavy-duty gear lubricants.

Even under operating conditions with high temperatures, GIANT SYNTHOR consistently out-performs similar conventional automotive gear oils. The EP additives provide superior protection of the gear teeth against spalling, which occurs when flakes of metals break away from the tip of a gear tooth after repeated stress.

### PERFORMANCE STANDARDS

- API GL-4, GL-5 LS
- ISO 12925-1 CKC
- US Steel 224
- SAE J2360
- MACK GO-J
- MT-1
- AGMA 252.04
- ISO6743 – 6 CKC
- DIN 51517 Part III
- MIL PRF-2105E

### TYPICAL APPLICATIONS

GIANT SYNTHOR offers improved cold start lubrication over traditional monograde fluids. Its fully synthetic base provides excellent oxidation stability that resists oil degradation and thickening during long periods of high temperature operations. It is designed for the most severe service conditions encountered in passenger cars, trucks, farm tractors, earthmoving, construction and other heavy-duty machinery. GIANT SYNTHOR can be applied in the lubrication of hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, transmissions, final drives, transfer cases and steering mechanisms where lubricants meeting MIL-PRF-2105E, API Service GL-5, EP gear lubricants are recommended. It can be used where Limited Slip performances are required. Applicable to both Automotive and Industrial usage.

### BENEFITS

- Outstanding oxidation and thermal stability
- Extends equipment life and reduces maintenance costs
- Superior load carrying capability in heavy-duty applications
- Smoother power transmission
- Wider operating temperatures
- Maintains clean gear surfaces thus minimizing wear
- Protects against spalling
- Limited slip performance
- Can be used in both Automotive and Industrial Gear applications
- Low odour

### TYPICAL PROPERTIES

SAE Grade	75W90	80W90	85W140
Density, kg/Litre @ 15°C	0.850	0.851	0.852
Kinematic Viscosity, cSt @ 40°C	97.0	100.4	255.1
Kinematic Viscosity, cSt @ 100°C	15.8	16.1	33.4
Viscosity Index	175	173	177
Flash Point COC, °C	>220	>220	>220
Copper Corrosion	1b	1b	1b