



SYNMAX™ EXTREME DUTY SYNTHETIC EP GEAR LUBE 75W140

TECHNICAL DATA SHEET – PRODUCT NUMBER 437514

SynMax™ Extreme Duty Synthetic EP Gear Lube SAE 75W140 Product Information:

Applications & Use:

- Universal differential application (Quick-Change and Ford 9 inch type or similar design etc.).
- Extreme Duty Differential Applications – calling for Gear Lube SAE 75W140
- SAE 75W140 Gear Lube is designed for extreme duty applications where the higher viscosity or “oil thickness” is required to protect and cool gear face components in the highest or extreme horsepower & torque requirements (800+HP) for NASCAR Short Track, 4X4 Truck Off Road and other Racing or Heavy/Extreme Duty commercial applications.
- Product should be used for suggested and intended design application(s) only.

Features & Benefits:

- Aerospace Advantages to increase metal surface technology and component durability through Diamond Like Additive™ (DLA) Technology providing a solid film lubricant with plating action.
- Premium SynMax™ aerospace high temperature anti-wear formulation technology.
- Protects during short term oil starvation periods.
- Crawls, sticks and adheres upon gear / metal surfaces.
- Minimizes frictional resistance, parasitic drag & gear contact wear.
- Reduces operation temperatures (20°F - 40°F) as compared to other synthetic gear lubes.
- Advanced synthetic formulation provides maximum low temperature fluidity as well as high temperature stability.
- Maximizes High temperature/high shear performance protection upon gear, bearing and overall transmission or differential components.
- Component protection as gear lube with DLA additive formulation flows through the gear and bearing parts, from low to high RPM requirements.
- Seal conditioning, anti-foam and oxidation additives & inhibitors.
- Compatible with all types of Buna seals, silicone materials and other seals.

Key Features and Benefits Include:

Features	Advantages and Potential Benefits
PAO & Synthetic Base Oils.	Viscosity stability during low and high temperature needs for premium lubrication performance.
Diamond Like Additives	Diamond Like Additive™ (DLA) Technology enhances metal surface on a nano dimension basis to increase component durability and decrease friction greatly.
Extra anti-wear additives	Excellent protection upon gear, bearings and metal surfaces during standard, heavy duty and racing/severe duty applications.



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Typical Properties:

SynMax™ Extreme Duty Synthetic Gear Lube 75W140	
SAE Grade	75W140
Viscosity, ASTM D 445 cSt @ 40° C	220
Viscosity, ASTM D 445 cSt @ 100° C	25.0
Pour Point	-50F
Flash Point	520F

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

Differential / ring and pinion components are commonly called “worm-gear” applications. Differential / ring and pinion applications require a quality gear lube with extreme pressure additives to provide the correct oil film or “hydrodynamic” strength (because of the extreme crushing effect) within the worm gear surface contact area to insure success and help prevent failure. If EP gear lube is used within a synchromesh application, gear lube will not be able to lubricate and protect the synchromesh rolling surface areas properly, reducing efficiency and possibly cause failure.

Note: It is further suggested for the customer (as time permits) to have one additional session for final break-in – Using SynMax™ Break-In Gear Lube to mate parts together and importantly cleanse components of metal particles and contaminants, before the use of SynMax™ Performance Lubricants either competition racing or other use.

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations are followed as provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local dealer, or via the Internet. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment. Always keep from the reach of children.

SynMax Performance Lubricants Distributed by:

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