



SYNMAX™ HEAVY DUTY SYNTHETIC GEAR LUBE SAE 75W90

TECHNICAL DATA SHEET – PRODUCT NUMBER 437590

SynMax™ Heavy Duty Synthetic EP Gear Lube SAE 75W90 Product Information:

Applications & Use:

- Heavy Duty Manual Transmission & Differential Applications – calling for Gear Lube SAE 75W90.
- Hi-Performance – Late Model short track / NASCAR speedway, Racing or Heavy Duty Commercial Applications– up to 799 Torque ft lbs for reduced friction and reduced parasitic drag.
- Universal differential design (Quick-Change, Ford 9 inch and others).
- 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™ Technology (DLA) 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.

Break-In Procedure suggested before the use of SynMax™ synthetic gear lube:

- It is further suggested for the customer to have one additional session for final break-in – Using SynMax™ Break-In Universal Gear Lube to mate parts together and importantly cleanse components of metal particles and contaminates, before the use of SynMax™ Synthetic Lubricants either competition racing, commercial or other use.

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™ Heavy Duty Synthetic EP Gear Lube 75W90	
SAE Grade	75W90
Viscosity, ASTM D 445 cSt @ 40° C	180
Viscosity, ASTM D 445 cSt @ 100° C	17.5
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 worm gear surface contact area to insure success and prevent failure.

Synchromesh fluid formulated products are created for planetary gear or “straight cut-gear” design applications. This means the lubrication fluid goes into the smallest points of the straight and rolling gear surface areas, while working together with the other synchromesh components etc. 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.

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 via the Internet or upon request through your local dealer. 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:

**Titan Performance Products, LLC
13750 Metric Drive, Roscoe, IL. 61073 USA
(815) 389-9999
www.synmaxperformancelubricants.com**