



SYNMAX™ LIGHT DUTY SYNCHROMESH & MANUAL TRANSMISSION FLUID SAE 30

TECHNICAL DATA SHEET – PRODUCT NUMBER 450030

SynMax™ Light Duty Synchronesh & Manual Transmission Fluid Product Information:

Applications & Use:

- Light Duty & Standard Manual Transmission Fluid SAE W30 (equal to W80 Gear Lube).
- Synchronesh, Manual Transmission Transaxle Type Applications.
- Transaxle Applications calling for Synchronesh Type Fluid SAE 30.
- Product should be used for suggested and intended design application(s) only.
- **NASCAR – LATE MODEL SHORT TRACK HI PERFORMANCE MANUAL TRANSMISSION.**
- **BRINN 2 Speed Direct Drive Late Model Type Transmission (up to 600 HP)**
- **Sports Car Medium weight transaxle or transmission application (up to 250 HP).**

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 transmission fluids.
- Advanced synthetic formulation provides maximum low temperature fluidity as well as high temperature stability.
- Maximizes High temperature/high shear performance protection upon synchronesh gear, standard gear, bearing and overall transmission components.
- Component protection as fluid 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, other seals & silicone materials. Does not include friction modifiers for clutch material facings.

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™ Light Duty Synchronesh & Manual Transmission Fluid SAE 30	
SAE Grade	W30
Viscosity, ASTM D 445 cSt @ 40° C	83
Viscosity, ASTM D 445 cSt @ 100° C	9.3
Pour Point	-40F
Flash Point	450F

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

Synchronesh 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 synchronesh components etc. Synchronesh fluid is not designed for differential / ring and pinion 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.

Note: It is further suggested for the customer (as time permits) 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 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 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:
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