



# Super S® SuperSyn™ Trans-Fluid 50

**Super S SuperSyn™ Trans-Fluid 50** is a full synthetic, heavy duty SAE 50 manual transmission fluid formulated with premium quality synthetic base stocks and high performance additives for API MT-1 non-EP extended drain service. Designed to provide maximum protection and extended operating life to heavy duty transmissions, **SuperSyn™ Trans-Fluid 50** provides significant advantages over conventional sulfur-phosphorus gear oils, including outstanding high-temperature performance, oxidation stability, wear protection, and corrosion control.

The outstanding performance of this product is confirmed by its approval for heavy-duty transmissions covered by **Eaton Roadranger** and Extended Warranties of 750,000 miles, with oil drains of 500,000 miles. It is also approved by **Mack** against its **TO-A Plus** 500,000 mile extended service classification. **SuperSyn™ Trans-Fluid 50** meets or exceeds the requirements of the API service MT-1 EP gear oil service classification and is recommended by Smitty's Supply for use in transmissions and gear cases where API Service GL-1 through GL-4 gear protection is required.

**SuperSyn™ Trans-Fluid 50** is manufactured to our Advanced Quality Assurance™ standards of quality control that exceed industry standards. Every batch is laboratory tested from base stocks and additives to finished fluid, in order to consistently deliver an exceptional level of performance and protection. The performance capabilities of today's heavy-duty on- and off-highway equipment have vastly improved in terms of load, speed, control, and reliability through innovative powertrain designs. These designs have increased the demands on transmission lubricants, requiring them to deliver higher levels of performance while extending drains. For heavy-duty transmissions, friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and seal protection are features that must be balanced to provide extended gear and synchroniser life, smooth shift control, improved efficiency, and higher load capability over a wide range of applications and operating environments. **SuperSyn™ Trans-Fluid 50** delivers unequalled performance in today's manual transmissions.

## FEATURES/BENEFITS

- **Superior all-temperature, year-round protection and performance** - Super S SuperSyn Trans-Fluid 50 remains fluid at extremely low temperatures for cold weather shifting and to eliminate premature wear (especially at start-up) and maintains lubricity and film strength at high temperatures.
- **Extended Drain Intervals**-designed to provide extended drain capability
- **Enhanced anti-wear protection and shear stability** - Super S SuperSyn Trans-Fluid 50 will help to extend the life and service intervals of your transmission, especially for transmissions experiencing more startup and/or shift cycles, or extreme loads or environments.
- **Extended service life and performance** - Wear protection, corrosion resistance and oxidation stability combine to provide longer equipment life, lower maintenance cost and less down time.
- **Improved fuel economy**- Enhanced oxidative stability helps to maintain the original fluid viscosity and increases the potential for fuel economy savings over the drain interval

## APPLICATIONS

- API MT-1, GL-1 to GL-4
- Heavy Duty Trucks
- On/Off Highway Vehicles
- Synchronesh gear boxes
- Medium loaded gear drives calling for non EP gear oil
- Emergency Vehicles
- Buses and Coaches
- Commercial Vehicles and Trucks

## RECOMMENDATIONS/SPECIFICATIONS

API MT-1  
 Eaton PS 164 rev 7  
 Navistar TMS 6816  
 Mack Truck TO-A Plus  
 Volvo I Shift / 97305  
 ZF Freedomline

## SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as with any synthetic oil.

**TYPICAL CHARACTERISTICS**

<b>Super S SuperSyn Trans-Fluid SAE 50</b>		
<i>Properties</i>	<i>Test Method ASTM D-</i>	<i>Typical Results</i>
SAE Grade		50
API Gravity	1298	32.6
Appearance	Visual	Clear/Amber
Flash Point, COC °F/ °C	92	428/ 220
Pour Point, °F/ °C	97	-49/ -45
Viscosity	445	
cSt @ 40°C		135
cSt @ 100°C		17.5
VI	2270	143

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing.

**PRODUCT NUMBERS**

SUS 219           35 lb Pail  
 SUS 219-16       120 Lb Keg  
 SUS 219-55       400 lb Drum