



Syn Gear 50w Synthetic Transmission

Syn Gear 50W is a synthetic, heavy duty SAE 50 gear oil manufactured from a blend of synthesized hydrocarbons and carefully selected esters. The additive system provides outstanding high-temperature detergency and wide-temperature dispersancy with optimized protection against thermal degradation and oxidation, wear and corrosion.

Syn Gear 50W is formulated to provide maximum performance in truck and other commercial transmissions where a high-quality engine oil formulation is preferred over a sulfur-phosphorus high-EP gear oil. In those applications, United Syn Gear 50W provides maximum stability at high temperatures to prevent carbon deposits and prolong seal life. It will not corrode copper and its alloys, thereby providing maximum protection for gear synchronizers.

Syn Gear 50W is recommended for year-round lubrication of automotive manual transmissions in light-duty to extremely heavy-duty on-highway vehicles and off-highway equipment. This includes subzero conditions in arctic climates and operations requiring lubricants with relatively high viscosity and good load-carrying ability. Eaton and Rockwell transmissions specify heavy-duty API Service CD engine oils exclusively if normal or extended drains must be maintained. Syn Gear 50W is a fully approved Eaton Roadranger quality lubricant. It is designed for transmissions covered by the Eaton Roadranger and Rockwell extended warranties of 750,000 miles, with oil drains of 500,000 miles. It is, also, approved by Mack against its new TO-A Plus 500,000 mile extended service specification.

Additional Information on Reverse



Syn Gear 50w Synthetic Transmission

Features/Benefits:

- Excellent oxidation stability
- Superior component protection
- Extended drain intervals
- Increased fuel economy
- High viscosity index
- Excellent low temperature properties
- Anti-foam protection

Applications/Specifications:

Syn Gear 50w Synthetic Transmission Oil Meets or Exceeds the requirements for the following specifications:

- Raodranger® PS-164, PS-081, PS-109
- ZF Meritor® 0-81
- Mack® TO-A PLUS
- International TMS 6816
- API MT-1 Requirements

Typical Physical Specifications:	
SAE Grade	50w
API Gravity @ 60° F	33
Viscosity Index	150
Viscosity:	
cSt @ 100° C	18
cSt @ 40° C	135
SUS @ 210° F	90
SUS @ 100° F	625
CCS, Cp @ -40° C	230,000
Pour Point, °C (°F)	-40 (-40)
Flash Point °C (°F)	225 (440)
Color, ASTM	2.0