



Product Data Sheet

SynGear SAE 50 Synthetic Manual Transmission Oil

DESCRIPTION

Nemco SynGear SAE 50 is a specially formulated synthetic lubricant designed for extended drain and severe service in heavy-duty manual transmissions which do not require an extreme pressure (EP) transmission lubricant. It is specially formulated to protect the higher torque manual transmission coupled with the increased horse power engines.

Nemco SynGear SAE 50 is manufactured from a blend of synthesized base stock combined with an advanced additive system which provides outstanding thermal stability, deposit control, and seal protection. It provides a high viscosity index (146) and low pour point of <-45 C which provides superior all-weather, year-round performance. The anti-wear additive contains rust, oxidation and corrosion inhibitors that protect bearings and synchronizers and reduce component wear and promote longer transmission life.

Advantages

- Oil Pumpability – Outstanding low temperature and all-weather, year-round performance
- Oil Durability – designed to protect transmissions against higher torque and horsepower in severe service
- Improved Fuel Economy – with excellent cold flow properties and resistance to internal friction
- Reduced Cost and Downtime – longer transmission life, reduced maintenance and with fewer oil changes
- OEM Approved for Extended OEM Warranty and Oil Drains (Eaton, Roadranger)

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Applications

- Owners & operators of fleets equipped with manual transmissions and interested in extending oil drain intervals
- Fleets interested in ease of shifting, reduced downtime, better fuel economy and year-round use



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Meets and/or exceeds

- API MT-1 and GL-1
- Eaton Transmission Div., PS-164 Rev. 7
- Arvin Meritor (Rockwell) O-81
- International Truck TMS 6816
- Mack Truck TO-A-PLUS
- ZF TE-ML o2L Freedom Line

Note: SynGear SAE 50 is formulated for use as a gear and bearing lubricant in manual transmissions. Do NOT use in engines as crank case oil.

Typical Characteristics – SynGear SAE 50

SAE Grade	50
Density, kg/L @ 15C	0.860
Viscosity cSt @ 40°C cSt @ 100°C	132 17.5
Viscosity index, min	146
Viscosity, Brookfield at -40°C, cP	99,800
Pour point °C (°F)	-45 (-49)
Flash point °C (°F)	221 (430)
Copper Strip Corrosion, 3hrs @ 121C	1a

Physical characteristics shown in the table are typical and may vary slightly.