



Product Data Sheet

SynGear SAE 50 Synthetic Manual Transmission Oil

DESCRIPTION

Nemco SynGear SAE 50 Transmission Oil is a full-synthetic manual transmission lubricant for year-round use specially formulated for extended drain and severe service in heavy duty transmissions that do not require and EP (extreme pressure) lubricant. It is specially formulated to protect higher torque transmissions that are connected to increased horsepower engines.

Nemco SynGear SAE 50 is manufactured from synthetic base oils combined with an advanced additive system which results in excellent high-temperature oxidation stability, shear stability, anti-wear, rust, corrosion and oxidation performance maximizing protection of gears, bearings, synchronizers, shafts and other moving parts. The superior cold-flow properties include easier cold weather shifting, less internal drag, and less gear wear due to quick lubrication at low temps.

Advantages

- Pumpability: outstanding low-temperature, all-climate, year-round performance
- Durability: protects transmissions against higher torque and horsepower in severe service
- Fuel Economy: formulated to increase fuel economy up to 1.5% over mineral oils

Applications

- Fleet Owner/Operators 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

Meets and/or exceeds

- API MT-1 and GL-1
- Mack TO-A-PLUS
- Arvin Meritor (Rockwell) O-81
- ZF Freedom Line
- International TMS 6816

*Note: Do **not** use SynGear SAE 50 in engines as crank case oil.*

Availability and product codes

Pack size	20L pail	205L drum
SynGear SAE 50	TFOSZ0008	TFOSZ0015
Availability	To order call 855-755-6737 or email orderdesk@nemco.ca	

Continued on next page



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Typical physical characteristics – SynGear SAE 50

Properties	Method	SynGear SAE 50
Eaton PS-386 Approved		No
Kinematic Viscosity @40°C mm ² /s	ASTM D445	132
Kinematic Viscosity @100°C mm ² /s	ASTM D445	17.5
Viscosity Index	ASTM D2270	146
Brookfield, cP @ -40°C	ASTM D2983	99,800
Flash Point (CC), °C (°F)	ASTM D92	>221 (>430)
Pour Point, °C (°F)	ASTM D97	-45 (49)
Copper Strip Corrosion, 3hrs @ 121°C (250°F)	ASTM D130	1a

These characteristics are typical of current production, variations in these characteristics may occur.

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath, moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under 'Safety Data Sheets'. For SDS in French, please contact info@nemco.ca. This material is WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Avoid discharge into drains, soil, or water. As with any lubricant, keep out of reach of children and animals.

Quality

Nemco works with respected industry suppliers and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001:2015. For technical and quality questions please contact us at 855-755-6737.