

## SynGear Multigrade Oils

### Full Synthetic Automotive Gear Oils

#### Description

Nemco SynGear Multigrade Oils are full-synthetic automotive gears oils formulated with Group II and Group III base oils and an additive system providing excellent extreme pressure (EP) properties, wear resistance, oxidation stability, anti-rust and anti-corrosion qualities, and protection against foaming. They have inherently high viscosity indexes, extremely low pour points, improved low-temperature fluidity, and are available in two viscosity grades; SAE 75W-90 and 80W-140.

Nemco SynGear Multigrade Oils are shear stable and retain their viscosity temperature characteristics even under the severe mechanical shearing encountered in hypoid and other automotive gears. They provide improved cleanliness of high temperature components and seal protection at the levels specified and required in API GL-5, Mack GO-H/S, Mack GO-J, API MT-1 and proposed PG-2 (PAG GL-2) quality levels.

#### Advantages

- Proven Fuel Economy; SynGear 75W-90 has demonstrated over 1% improvement over other gear lubricants, when used in conjunction with a full synthetic SAE 50 oil in the manual transmission, and up to 3% improvement over conventional SAE 90 and 85W-140 mineral gear lubricants.
- All Weather Protection; outstanding pumpability at cold temperatures for faster lubrication and less gear resistance while maintaining a heavy lubrication film at high operating temperatures
- Meets OEM Extended Drain Warranties; SynGear 75W-90 gear oil can meet OEM extended warranty coverage (up to 750,000 miles) and longer oil drain intervals (up to 500,000 miles).

#### Applications

- Typical uses: differentials, axles, final drives and manual transmissions calling for a GL-5/MT-1/EP gear lubricant in trucks, heavy-duty fleet, tractors, construction, on- and off-road, hypoid and bevel gear differentials, limited-slip (top off only in cars and light-duty trucks), and industrial equipment.

- All gear drives including: heavily loaded hypoid gears and worm gears, winch reduction gears and crawler vehicle propulsion gear drives exposed to subzero temperatures.
- Note: Nemco SynGear lubricants are NOT recommended for use in automatic transmissions, powershift transmissions, hydrostatic drives and systems that include the lubrication of wet clutches and brakes.

#### Meets or Exceeds

- Nemco SynGear 75W-90 is an Eaton recommended axle lubricant in Canada

#### Suitable/Recommended for

- API Service GL-5, MT-1
- ArvinMeritor 0-76-B, E, N, Q and 0-80
- Dana Corp SHAES 256(75W-90); 429(75W-90, 80W-140)
- Eaton PS-163, 037, 109
- General Electric D50E9C
- International TMS 6816
- Mack Truck GO-J Plus(75W-90), GO-J(80W-140)
- MIL-PRF-2105E/SAE 2360
- Spicer Axles

#### 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.

## Typical Characteristics - SynGear Multigrade

Properties	Method	Performance	
		75W-90	80W-140
SAE Grade	-	75W-90	80W-140
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ASTM D445	106	284
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ASTM D445	15.0	30.6
Viscosity Index	ASTM D2270	152	146
Brookfield Viscosity, cP, °C	ASTM D2983	90,000@-40	75,000@-26
Copper Corrosion, 3hrs@121°C	ASTM D130	Pass	Pass
Flash Point (COC) °C(°F)	ASTM D92	215(420)	202(395)
Pour Point °C(°F)	ASTM D97	-45(-49)	-40(-40)

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

## Availability and product codes

Pack size	12x1L case	4x4L case	20L pail	205L drum
SynGear 75W-90	GOOSZ0002	GOOSZ0004	GOOSZ0007	GOOSZ0018
SynGear 80W-140	n/a	n/a	GOOSZ0008	GOOSZ0019
Availability	To order, contact us toll free at 855.755.6737 or orderdesk@nemco.ca			

## Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). These products are not considered hazardous. 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. Nemco is a member of ILMA and is proud to be certified to ISO9001. For questions regarding quality, please contact our Technical Sales representatives.