



## Product Data Sheet

# Synthetic Blend HD Motor Oils 0W-30 & 0W-40

## Synthetic Blend Heavy Duty Diesel Engine Oil

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### Description

Nemco's Synthetic Blend HD CI-4 Motor Oils are a blend of synthetic base oils (PAOs) and high-VI mineral base oil, combined with a balanced additive package. This unique formulation provides a truly premium performance universal heavy duty engine oil. Synthetic Blend HD 0W-30 and 0W-40 are recommended for all naturally aspirated and turbocharged diesel engines used in heavy-duty trucks, agricultural, mining and construction equipment, as well as light duty gasoline powered cars, trucks and vans. These motor oils are highly suitable for use where cold weather starting can be a challenge.

Synthetic Blend HD Motor Oils offer the end user improved performance and longer equipment life. In addition, these motor oils provide optimum fuel economy, oil consumption control, and low temperature pumpability (down to -45°C). At low temperatures, these 0W oils demonstrate good fluidity for fast start-up lubrication of critical parts, while at operating temperatures they have sufficient viscosity to maintain the protection of these components.

### Features & Benefits

- 🔥 Prevents wear by providing stable viscosity at high temperature / high load conditions
- 🔥 Wide temperature range performance and enhanced fuel economy
- 🔥 Excellent cold flow properties ensure faster lubrication during cold starts; maxims engine life
- 🔥 Exceptional soot and deposit control reducing engine wear and extending engine life

### Applications

Synthetic Blend Heavy Duty Engine Oils are recommended for diesel and gasoline engines used in trucks, cars, farm equipment, earthmoving, mining and construction equipment, as well as automotive equipment used in industrial applications. These oils are designed for extended oil drain intervals in diesel-powered, over-the-road vehicles and off-road equipment. Longer drain intervals in gasoline powered vehicles are also possible.

### Meets and/or Exceeds:

- Suitable for use service API CI-4, CH-4, CG-4, CF-4, CF-2/SL, SJ, SH
- MACK EO-M Plus
- Cummins CES 20076, 20072, and 20071
- Volvo VDS-2
- MTU Type1
- Mercedes Benz 228.1
- Caterpillar ECF-1-a
- ACEA E2-96(07), A2-96(02), B3-98(02)
- MAN 271
- ZF TE-ML 07C, TE-ML 04C

**Typical Characteristics – Heavy Duty Synthetic Blend Diesel Engine Oils**

Properties	Method	Heavy Duty SemiSyn 0W-30	MS-X Plus Synthetic Blend 0W-40
API Service Categories	-	Suitable for use service CI-4, CH-4, CG-4, CF-4/SL	
Oil Type	-	Synthetic Blend	
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ASTM D445	61.9	89.0
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ASTM D445	10.7	14.9
Viscosity Index	ASTM D2270	164	176
CCS Viscosity @°C	ASTM D5293	n/a	n/a
Sulphated Ash, % wt.	ASTM D874	n/a	n/a
Total Base Number mg KOH/g	ASTM D2896	n/a	n/a
Flash Point (CC), °C (°F)	ASTM D92	n/a	n/a
Pour Point, °C (°F)	ASTM D97	-51(-59)	-51(-59)
MRV-TP1, Viscosity, cP@°C	ASTM D4684	n/a	n/a

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

**Availability and product codes**

Pack size	4x4L case	20L pail	205L drum	1,000 tote/Bulk
HD Semi Synthetic 0W-30	DMOSZ0007	DMOSZ0017	DMOSZ0032	DMOSZ0044
MS-X Plus SynBlend 0W-40	DMOSZ0006	DMOSZ0001	DMOSZ0031	DMOSZ0043
Availability	Year round			

**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](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). While this material is 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 and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact our Technical Sales representatives.