

PETRO FACTS



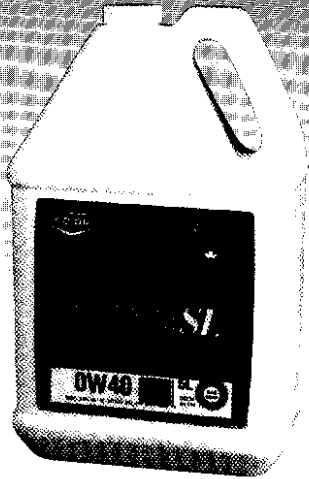
CO-OP® D-MO* SL **ADVANCED FORMULA** HEAVY-DUTY SYNTHETIC DIESEL MOTOR OIL

DESCRIPTION

CO-OP D-MO SL has the same advanced motor oil formulation as CO-OP D-MO, with the added advantages of Group IV synthetic base oil. It provides superior performance, meeting or exceeding other competitive products and current API service classifications. It is especially effective at extreme low temperatures and can reduce engine wear due to cold starts by as much as 60%. CO-OP D-MO SL meets the demanding North American and European service requirements. This is reflected in its ability to extend oil drain intervals within all engine manufacturer's recommendations. CO-OP D-MO is recognized as one of the finest diesel motor oils produced.

FEATURES & BENEFITS

- **EXTENDED SERVICE**
CO-OP D-MO SL meets engine manufacturer's requirements for extended service (extended drain) intervals.
- **OXIDATION RESISTANCE**
CO-OP D-MO SL's oxidation inhibitors reduce oil thickening and varnish build-up due to oxidation.
- **ENGINE CLEANLINESS**
CO-OP D-MO SL's unique mix of additives and synthetic base oils reduces harmful engine contaminants and varnishes.
- **VISCOSITY RETENTION**
CO-OP D-MO SL's stability ensures stay-in-grade performance under the most severe operating conditions.
- **RUST PROTECTION**
CO-OP D-MO SL provides superior rust and corrosion protection under the most severe conditions.
- **EXTENDS ENGINE LIFE**
Superior CO-OP D-MO SL maximizes engine life through advanced technology and synthetic components.
- **FUEL ECONOMY**
CO-OP D-MO SL's synthetic formulation improves fuel economy and reduces engine warm-up time.
- **WEAR PROTECTION**
CO-OP D-MO SL's advanced additives bond to metal surfaces, creating a protective film.
- **SOOT CONTROL**
CO-OP D-MO SL reduces combustion chamber deposits and controls soot deposits.
- **REDUCED OIL CONSUMPTION**
CO-OP D-MO SL's shear stability ensures reduced oil consumption in all operating conditions.
- **LOW TEMPERATURE OPERATION**
CO-OP D-MO SL is designed for use in low temperatures down to -48° C.
- **SYNTHETIC FORMULATION**
Unlike most competitors, CO-OP D-MO SL 0W40 uses 100% Group IV synthetic base stock.



CO-OP D-MO SL 0W40

(Full Synthetic)
is available in:

- 12 x 1 litre
- 4 x 5 litre
- 20 litre
- 205 litre

CO-OP D-MO SL 5W30

(Partial Synthetic)
is available in:

- 4 x 5 litre
- 20 litre
- 110 litre
- 205 litre



A UNIQUE MOTOR OIL FOR A CANADIAN CLIMATE





LUBRICANTS



FULL SYNTHETIC
 PARTIAL SYNTHETIC
 POUR POINT
 VISCOSITY @ 40° C
 VISCOSITY @ 100° C
 SULFATED ASH
 ZINC

QUALIFICATIONS

BRAND NAME / SAE GRADE	MEETS THE PERFORMANCE REQUIREMENTS OF												
	API CI-4	API CH-4	CG-4	SJ	SH			°C	cSt	cSt	%	%	
CO-OP D-MO SL													
0W40	X	X	X	X	X	X		-57	57.8	15.4	14.3	0.14	
5W30	X	X	X	X	X		X	-36	61.5	10.8	14.3	0.14	

PERFORMANCE REQUIREMENTS:

In the appropriate viscosity grades, CO-OP D-MO SL engine oils meet the performance requirements of:

- **American Petroleum Institute (API)**
CI-4, CH-4, CG-4, CF-4, CF/SJ, SH, SL
- **Manufacturer's Specifications**
 - Caterpillar
 - Cummins CES 20071, 20072, 20076, 20078
 - Detroit Diesel Bulletin 7SE270 (1), DDC6V92TA
 - Mack EO-K (2), EO-J (1), E-OM, E-OM Plus, E-ON, EON Premium Plus
 - ACEA E3/B3/A3/E5
 - VOLVO VDS-1, 2, 3
- **U.S. Military Specifications**
 - MIL-L-2104G MIL-L-46152D
 - MIL-L-2104B (1), 2104D (1), 2104E (1), 2104F (1)
 - MIL-L-46152B (1), 46152C (1)
 - MIL-L-45199B (1)
- **Gasoline Engines**
 - Ford M2C-153E
 - GM6094M, 608M (1), 6049M (1)
 - Chrysler MS 6982

(1) Obsolete

APPLICATIONS

HEAVY DUTY DIESEL ENGINES

- **High-output Diesels**
Includes Cummins, Detroit, Caterpillar, Mack, Volvo JI Case, Allis Chalmers, John Deere, Ford, International/Navistar, Continental, Perkins, or White.

- **Mid-range Diesel Engines**
Includes Deutz, Hino, Komatsu, Kubota, Mercedes, Renault, or Scania diesel.
- **Light-duty Diesel Engines**
Domestic or imported passenger car and light truck diesel engines.