

Neerlandia Coop

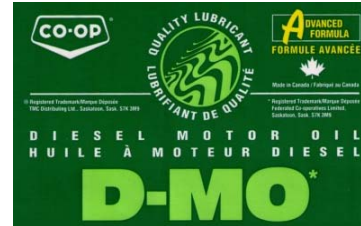


Box 188
Neerlandia AB
T0G 1R0



D-MO

Motor Oil



Description

D-MO is an advanced diesel motor oil formulated to provide superior performance that meets or exceeds manufacturer's requirements and API classifications. Even in older engines it improves engine performance. It is approved for API classifications by grade and is recommended by many engine manufacturers for superior performance or extended drain applications. D-MO meets the superior performance requirements for European standards, which are the most severe in the world.

Application

D-MO is recommended for use in all diesel engines. It is approved in North America by the American Petroleum Institute for the latest engine designation of CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF/SJ, Sh, SL, as well as being recommended for use in CE, CD, CD-II/SG applications. In Europe it is recommended for ACEA applications designated E5, E3/B3/A3. Specific grades are approved for Mack EO-M Plus, EO-N Premium Plus (03) Cummins CES 20071, 20072, 20076, 20078, Volvo VDS 1, 2, Mercedes Benz 228.1 or 228.3, Caterpillar ECF-1, Detroit 93K214, MTU type 1 or 2, VW50500, John Deere or Case IH and other engine manufacturer's recommendations.

In hydraulic or transmission applications it is recommended for Allison C3/C4 or Caterpillar TO-2 applications.

Performance Features

D-MO provides superior performance in the areas of:

- Shear stability
- Neutralizes combustion chamber emissions
- Extended service capabilities
- Improved fuel economy
- Soot control
- Oxidation stability
- Foam control

It also offers:

- Engineering to support current and future emission controls
- Extended engine life
- Reduced valve train wear
- Reduced engine deposits
- Reduced oil consumption
- Compatibility with older engines

Availability

D-MO is available in 205 litre & 110 litre drums, 20 litre pails, 10 litre jugs (2 per case), 5 litre jugs (4 per case) and 1 litre bottles (12 per case). Not all weights are available in all container sizes.

Typical Properties

SAE Grade	10W	20W20	30	40	50	10W30	15W40
Kinematic Viscosity @ 40°C, cst	34.9	48.9	86.3	146.1	186.5	74.3	114.6
Kinematic Viscosity @ 100°C, cst	6.0	7.6	10.8	15.0	18.56	11.4	15.3
Viscosity Index	120	121	111	108	101	146	140
Low Temp. Viscosity (Cp @ °C)	3598/-25	2400/-15	N/A	N/A	N/A	5458/-25	6227/-20
Pour Point	-45°C	-39°C	-36°C	-27°C	-21°C	-39°C	-33°C
Flash Point	205°C	214°C	218°C	225°C	225°C	220°C	224°C
Ash	0.98	0.98	0.98	0.98	0.98	1.43	1.43
Zinc (PPM)	980	980	980	980	980	1420	1420
TBN	8	8	8	8	8	11.2	11.2
API Service Classification	CF	CF	CF, CF-2/SL	CF, CF-2/SL	CF, CF-2	CF, CF-4, CG-4, CH-4, CI-4/SL	CF, CF-4, CG-4, CH-4, CI-4 Plus/SL, C3/C4, TO-2
Allison	C3/C4	C3/C4	C3/C4	C3/C4	C3/C4		C3/C4
Caterpillar	TO-2		TO-2				TO-2
Obsolete API Service Classifications	CE	CE	CE, CD, CD11	CE, CD, CD11	CE, CD	CE, CD, CD11	CE, CD, CD11