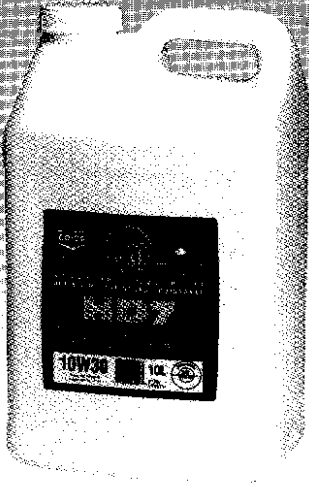


# PETRO FACTS



**CO-OP® HD7**  
**MOTOR OIL**  
*For Gasoline and Moderate  
Service Diesel Engines*



## CO-OP HD7

is available in these  
container sizes:

- 12 x 1 litre case
- 4 x 5 litre case
- 2 x 10 litre case
- 20 litre pail
- 110 litre drum
- 205 litre drum

(Note: not all grades are available in  
every container size)

## DESCRIPTION

HD7 Motor Oil is formulated for gasoline and moderate service diesel engines. HD7 has delivered proven performance through billions of kilometres of city or on/off highway service. It is an ideal choice for older engines built by all major manufacturers - both gasoline and diesel.

## FEATURES & BENEFITS

### ● DETERGENT/DISPERSANTS

Selected dispersants pick up microscopic engine contaminants and hold them suspended in the oil where they can be filtered or removed with regular maintenance.

### ● ANTI-WEAR AGENTS

These agents react chemically with metal surfaces to produce a protective coating in high-load areas (such as cams, valve lifters, valve stem tips and rocker arms) where the oil film otherwise might thin out.

### ● OXIDATION INHIBITORS

These materials prevent oxidation that thickens the oil and creates varnish or sludge when an engine reaches high operating temperatures.

### ● VISCOSITY-INDEX IMPROVERS

CO-OP HD7 multigrades contain compounds to reduce the thinning of the oil at high temperatures and the thickening of the oil at low temperatures. These compounds allow the oil to work more effectively through a wide range of operating temperatures.

### ● RUST AND CORROSION INHIBITORS

Special additives neutralize the acids formed by condensation and contaminants, preventing rust and corrosive wear of engine surfaces.

### ● FOAM INHIBITORS

Unique additives reduce the foaming of motor oil. Foaming reduces the oil lubricating and cooling capacity, which leads to engine noise and lower oil pressure.

### ● MODERATE-DUTY DIESELS

CO-OP HD7 is approved for API performance requirements of "CF" for use in moderate-duty diesels.

### ● POUR-POINT DEPRESSANTS

HD7 additives alter the formation of wax crystals at low temperatures, enabling the oil to remain fluid.





# LUBRICANTS

**Note:**

HD7 offers the best protection when changed on a regular service interval. Consult your manufacturer's recommendation for the correct maintenance schedule and viscosity grade.

**QUALIFICATION**

BRAND NAME / SAE GRADE	API	API	API	MILITARY SPECIFICATIONS (obsolete)	STABLE POUR	VISCOSITY @ 40° C	VISCOSITY @ 100° C	SULFATED ASH	ZINC	PHOSPHOROUS
	SH	SL	CF		°C	cSt	cSt	%	ppm	ppm
<b>CO-OP HD7</b>										
<b>5W-30</b>	X	X	X	A	-39	65.8	11.0	0.98	861	880
<b>10W</b>	X		X	A	-36	40.2	6.9	0.98	861	880
<b>10W-30</b>	X	X	X	A	-42	73.8	10.9	0.98	861	880
<b>30</b>	X		X	A	-36	86.0	10.9	0.98	861	880
<b>40</b>	X		X	A	-27	135.0	14.3	0.98	861	880
<b>50</b>	X		X	A	-15	194.5	18.1	0.98	861	880

A = Military Specification MIL-L46152E (obsolete but HD7 meets the requirements)

