

## Heavy Duty Multi-Grade Engine Oils

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### DESCRIPTION:

MileMaster Heavy Duty Multi-Grade Engine Oils are high quality, heavy-duty crankcase oils. Manufactured with top quality additive systems, these oils provide good performance in both diesel and gasoline service. Designed to effectively combat sludge and varnish formation.

### QUALITIES:

- Good detergent control of piston ring deposits
- Good fuel soot dispersancy and oxidation resistance
- Excellent wear protection
- Excellent high-temperature/high shear rate
- Good TBN retention
- Good shear stability

### APPLICATIONS:

Caterpillar TO-2  
 Mack EO-M, EO-L+, and EO-L  
 Volvo VDS  
 Cummins CES 20071  
 Ford M2C153-E; M2C171-B

Navistar International  
 Mil-L-2104C, D  
 Detroit Diesel 2-stroke cycle  
 GMC 6085M

### TYPICAL PROPERTIES:

	15W-40	20W-50
Material Code	661455008	661459008
Gravity, ASTM D 4052, °API	29.1	28.9
Pounds Per Gallon	7.35	7.30
Flash Point, ASTM D 92, °C	215	245
Viscosity, ASTM D 445, cSt at 40°C	112	165
cSt at 100°C	14.8	18.0
CCS Viscosity, ASTM D 5293, cP at -20°C	5900	6000
cP at -25°C	—	—
Viscosity Index, ASTM D 2270	137	130
Pour Point, ASTM D 97, °C	-27	-20
Color, ASTM D 1500	3.0	3.5
API Service Categories (recommended)	CI-4, SL	CI-4, CF, SL

Some performance capabilities are applicable to specific viscosity grades.