



HEAVY DUTY ENGINE OIL 15W-40, 10W-30

DESCRIPTION:

FLOMAX Heavy Duty Engine Oil is a time proven and fleet tested engine lubricant designed for high output diesel and older gasoline engines operating under severe service conditions. Trouble-free service in agricultural, commercial and industrial applications demonstrates the effectiveness of this product.

FLOMAX Heavy Duty Engine Oil motor oil is formulated with quality, high viscosity index base stocks, and a proven additive system with the proper balance of metallic detergents and dispersants, multipurpose inhibitors and a shear viscosity index improver in the multigrades. FLOMAX Heavy Duty Engine Oil motor oil has demonstrated: reduced engine deposits, stable viscosity at extremely high shear stress and high temperature operating conditions, extremely low wear metals even with extended oil drain intervals, superior corrosion protection, excellent Total Base Number retention, controlled oil consumption and the multigrades provide excellent cold temperature properties.

FLOMAX Heavy Duty Engine Oil has demonstrated excellent oil fluidity at temperatures far below industry standards.

APPLICATION:

FLOMAX Heavy Duty Engine Oil motor oil covers a wide variety of applications in agricultural, commercial and industrial uses. It is formulated to meet or exceed a variety of specifications and engine manufacturers' requirements, which include:

- API Service Categories as listed in the typical properties
- MIL-L-2104E&F
- MIL-L-46152E
- CUMMINS CES 20078/20077/20078
- MACK-EO-N+/Premium Plus 03
- CATERPILLAR ECF-1
- DETROIT DIESEL (Four Stroke)
- VOLVO VDS-3/VDS-2
- ALLISON: C-3 & C-4 (on selected grades)

FEATURES & BENEFITS:

Excellent cold flow properties provide faster lubrication during cold starts, maximizing engine life.

Mixed fleet service for both gasoline and diesel engines reduces misapplications.

Superb deposit control minimizes oil consumption.

Prevents wear by providing stable viscosity at high temperature, high load conditions.

Improved oxidation and rust protection throughout the oil drain interval.

FLOMAX HEAVY DUTY 11 TBN ENGINE OIL
Typical Properties

SAE Viscosity Grade	15W-40	10W-30
API Service	CI-4 Plus, CH-4, CG-4, CF-4, CF-2, CF/SL	CI-4 Plus, CH-4, CG-4, CF-4, CF/SL
Viscosity, cSt @	40° C 111 100° C 15.4	76 11.3
Viscosity Index	146	140
API Gravity	30.1	31.1
Pour Point, Deg. F	-30	-35
MRV-TPI, pass @ Deg. C	<-25	<-30
CCS, P @ Deg. C, max.	59@ -20	70@ -25
Sulfated Ash, % wt.	1.3	1.3
TBN, (D 2896)	11	11

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

HEALTH & SAFETY:

A complete Material Safety Data Sheet is available upon request. Used motor oil contains combustion by-products which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute – return used oil to a collection center.