



# HEAVY-DUTY Engine Oil

## HEAVY-DUTY ENGINE OIL MYTHS AND FACTS

### MYTH

Stay with one brand/type of oil to avoid increased oil consumption.

### FACT

Changing oil brands does not lead to increased oil consumption. Many factors can contribute to oil consumption, including oil filter condition, contaminant loading, oil contamination levels, and incorrect reading of oil pressure or levels.



### MYTH

External additives boost performance.

### FACT

Reputable engine oils already contain optimized additives. Additional additives are unnecessary and could even lower the effectiveness of those in the oil.

### MYTH

Oils only get dirty. They don't wear out.

### FACT

All oils wear out and need to be replaced—some sooner than others. Having an oil analysis done can provide a detailed picture on oil degradation and accumulation of particles and other contaminants.



### MYTH

Heavier viscosity engine oils are better for large diesel engines.

### FACT

Some off-road equipment do require higher viscosity engine oils; however, on-highway vehicles have transitioned to lower viscosity oils such as 10W-30 for improved fuel economy, while getting adequate protection of the engine. Additional benefits include reduced warm-up times and less wear at startup.

## SIGNS IT'S TIME FOR AN OIL CHANGE



You can smell burning oil.



Engine is making strange noises or runs louder.



Oil looks black and/or feels gritty.

## KEEP IN MIND OIL LIFE VARIANCES



Engine Design, Age and Conditions.



Driving Patterns and Conditions.



Oil Properties.

## HOW TO CHOOSE THE PERFECT OIL

Always Check Owner's Manual First.



Provides recommended engine oil.

Consider All Elements

- Operating conditions
- Weather conditions
- How long you usually keep equipment

### Resources

- <https://www.youtube.com/watch?v=tB-N8Gao5kQ>
- <https://www.forconstructionpros.com/equipment/fleet-maintenance/oils-lubricants-greases/article/20859275/eight-common-heavy-equipment-engine-oil-myths>
- <https://www.complex.com/sports/2013/03/5-signs-you-need-to-change-your-oil/the-level-drops>



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