



**Mobil**

# Raising the Bar on Performance Even Higher

Tighter emissions standards for diesel engines and changing engine designs are increasing engine lubrication requirements.

The American Petroleum Institute (API) has defined a new higher quality engine oil performance category: API CI-4, to meet increased engine oil performance requirements. Mobil Delvac MX 15W-40 exceeds the requirements of API CI-4 offering higher levels of engine protection to help minimize maintenance costs and extend engine life.

#### **Why do you need Mobil Delvac MX 15W-40?**

Whether you have a late model, low emission diesel engine or an older hard working model, you are demanding more from your trucks. Mobil has raised the bar to meet the challenge on diesel engine lubrication. You have come to expect that from the worlds' leader in advanced lubrication technology.

**NOW  
EXCEEDS  
CI-4**

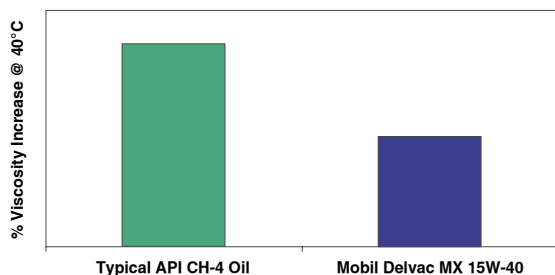


## What is New About Mobil Delvac MX 15W-40?

The key performance advantages of reformulated Mobil Delvac MX 15W-40 include the ability to withstand higher temperatures, handle increased amounts of soot, and reduce corrosive and general engine wear. Now, more than ever, Mobil Delvac MX 15W-40 extends engine life!

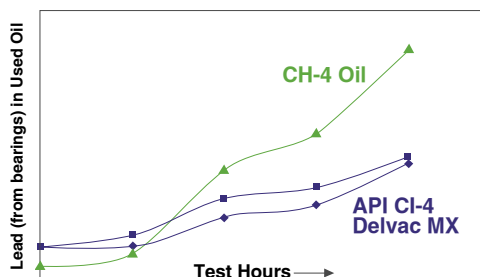
**HEAT** - Modern diesel engines run hotter which can reduce oil and engine life. As oil oxidation rates typically double with every 10°C increase, lower quality oils will degrade faster resulting in viscosity increase and acid generation. New Mobil Delvac MX 15W-40 provides over 25% more protection against oil oxidation than an API CH-4 oil.

**Sequence IIIF Engine Test**



**WEAR** - Changing combustion control designs are increasing loads, soot and acid generation in modern diesel engines. These new designs can introduce combustion gases to the oil that can form corrosive acids. These are most aggressive towards softer metals found in bearings and bushings, but other engine parts are vulnerable. Mobil Delvac MX 15W-40 reduces corrosive wear at higher operating temperatures by resisting oxidation and improving bearing protection by more than 20% compared to an API CH-4 oil. In addition it provides added protection to other parts.

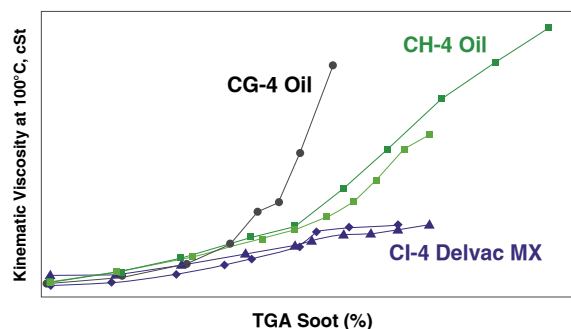
**Mack T-10 Engine Test (200-300hrs)**



**SOOT** - Increasing soot levels are common with many modern diesel engines and hard-working older designs as well. Inadequate soot handling can shorten drain intervals,

increase deposits and cause wear that can shorten engine life. Mobil Delvac MX 15W-40 provides over 20% better soot-related viscosity control than an API CH-4 oil.

**Mack T-8 (E) Engine Test**



## Exceeding API CI-4 Performance Standards.

Mobil Delvac MX 15W-40 meets or exceeds major industry and OEM specifications including:

- ACEA E5/E3/B4/B3/A2
- API CI-4/CH-4/CG-4/CF-4/CF/SL/SJ
- DaimlerChrysler MB 228.3/229.1
- Cummins CES 20078/77/76/72/71
- Detroit Diesel 7SE 270
- MAN M3275
- Volvo VDS-3; VDS-2
- Renault RVI RLD
- Mack EO-M Plus
- MTU Type 1
- Allison C-4



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