

Product Description

Excelon™ EBS M (Engineered Base System) is the industry's premier engine oil - offering unsurpassed engine protection for maximum equipment life. The revolutionary technology in Excelon EBS M consists of a uniquely engineered detergent base system that provides a quick and effective method of controlling corrosive wear in today's diesel engines. Corrosive acids, which form in the fuel combustion process, can significantly reduce an engine's operating life. Excelon EBS M is formulated with a high degree of detergent alkalinity (TBN) that is specifically designed to minimize the effect of corrosive wear. At the same time, Excelon EBS M is uniquely formulated to provide extended service drains while protecting engine life. Excelon EBS M is designed to meet the demands of heavy duty diesel and gasoline engines.

For maximum performance, an engine oil must have the capability of handling a wide variety of conditions. Excelon EBS M includes a unique blend of Group I & Group II base oils, plus a highly shear stable multi-grading agent that provides lower oil consumption and superior oil viscosity retention. The EBS approach also includes greater oil dispersancy which provides for effective soot management, a requirement in today's emission sensitive engines. Excelon EBS M is truly a performance champion.

Product Features and Benefits

- An Engineered Base System of additives, base oils and polymer specifically designed to *maximize engine life and optimize service intervals.*
- A high level of alkalinity (TBN) and a unique approach in alkalinity design *minimizes combustion acid and corrosive wear throughout the drain interval.*
- Greater oil detergency and all calcium technology *keep modern engine designs running cleaner and more efficient.*
- An effectively designed dispersant system means *better soot management for reduced oil thickness, longer filter life and sludge buildup prevention.*
- Optimum blend of Group I & Group II base oils *provides the foundation for an engine oil with unmatched performance.*
- A superior highly shear stable polymer *provides excellent multigrade thermal stability performance assuring continuous lubrication and limited viscosity loss.*

Service Applications

API Service Categories: CI-4+, CI-4, CH-4, CG-4, CF-4, CF, CD, SJ, SH, SL.

Mack EO-N Premium Plus '03.

Detroit Diesel Power Guard 93K214.

Cummins CES 20078.

Volvo VDS-2.

Meets Allison C-4 performance requirements.

Four cycle diesels, emission and non-emission regulated.

Hydraulic and transmission applications where engine oil is permitted.

Typical Properties:

SAE Grade	15W-40
Viscosity	
@ 100°C, cSt	14.5
@ 40°C, cSt	108
@ -20°C, cP	6,600
Viscosity Index	139
Borderline Pumping Temperature	
°F, maximum	-4
°C, maximum	-20
High Temperature/High Shear Viscosity	
@ 150°C, cP	4.2
Flash Point, °F (°C)	420 (216)
API Gravity	28.2
Sulfated Ash, Weight %	1.8
Total Base Number, ASTM D2896	14

**To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)
Or Fax orders to (317) 923-3884**

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