



## MOBIL DELVAC MODERN™ 5W-30 ADVANCED PROTECTION SCA

Mobil Commercial Vehicle Lube, Lithuania

Extra High Performance Diesel Engine Oil

### Product Description

Mobil Delvac Modern 5W-30 Advanced Protection SCA is an extra high performance advanced synthetic technology diesel engine oil engineered to provide outstanding protection and fuel economy potential in modern, high performance, low emissions engines used in severe on-highway applications. This engine oil is specifically designed to meet the Scania LDF-4 specification. Besides fulfilling the latest Scania specification, it can be used when ACEA E6 or E7 is requested.

Mobil Delvac Modern 5W-30 Advanced Protection SCA is formulated with advanced synthetic technology base oils which provide excellent low temperature fluidity, temperature viscosity retention, volatility control and contribute to fuel economy improvement potential. The advanced additive system has been expertly engineered to help prolong the life and maintain the efficiency of emission reduction systems such as the Diesel Particulate Filter (DPF). The DPF is widely used by most built to comply with emission regulations enforced on modern trucks and buses.

### Features and Benefits

High output, low emission diesel engines significantly increase demands on engine lubricants. Tighter engine design, use of inter-coolers and turbochargers increase mechanical and thermal stresses on the lubricant. Low emission engine technologies such as higher fuel injection pressure, retarded timing and after-treatment devices require improved oil performance in areas such as oxidation stability, soot dispersancy, volatility and compatibility with after-treatment devices. The advanced technology in Mobil Delvac Modern 5W-30 Advanced Protection SCA delivers exceptional performance and protection of exhaust systems fitted with Diesel Particulate Filter. Key benefits include:

| Features   | Advantages and Potential Benefits   |
|--|---|
| Excellent protection against oil thickening, oil degradation, high temperature deposits and sludge build-up  | Contributes to long oil life consistent with OEM recommended Oil Drain Intervals (ODI)<br>Helps prevent ring sticking for better engine protection and efficiency   |
| Excellent protection against wear, scuffing, bore polishing and corrosion                                    | Helps control wear in heavy duty operation, promoting long engine life  |
| Excellent low temperature fluidity   | Contributes to excellent oil pumpability and circulation allowing operation in cold climate regions<br>Helps protect against wear during cold engine start-up   |
| Advanced "Low Ash" componentry   | Helps improve efficiency and extend durability of emission exhaust systems fitted with Diesel Particulate Filters (DPF)   |
| Advanced formulation viscometrics<br>. SAE 5W-30<br>. Stay-in-grade shear stability<br>. Very low volatility | Potentially helps to reduce fuel consumption over higher viscosity grade engine oils without compromising engine durability (potential fuel economy depending on vehicle type and driving conditions)<br>Helps to control viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions |

### Applications

Recommended by ExxonMobil for use in:

- This engine oil is specifically designed to meet the Scania LDF-4 specification
- In commercial vehicles where ACEA E6 or ACEA E7 is requested
- On-highway light and heavy-duty trucking
- Modern heavy-duty engines equipped with Diesel Particulate Filter (DPF) in line with owner manual recommendations

### Specifications and Approvals

**This product meets or exceeds the requirements of:**

ACEA E7

ACEA E6

Scania LDF-4

**Properties and Specifications**

| Property   |           |
|--|-----------|
| Grade  | SAE 5W-30 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92              | 228       |
| Density @ 15 C, g/ml, ASTM D1298                           | 0.85      |
| Ash, Sulfated, mass%, ASTM D874                            | 1         |
| Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445 | 11.6      |
| Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445  | 69.5      |
| Pour Point, °C, ASTM D97                                   | -33       |
| Total Base Number, mgKOH/g, ASTM D2896                     | 10        |
| Viscosity Index, ASTM D2270                                | 162       |

**Health and safety**

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.as>

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