

Premium Quality Diesel Engine Oil

# Power Optima

## SAE 15W40



API: CJ-4/SM

### Product Description

Emarat Power Optima Diesel Engine Oil 15W40 CJ4/SM is a high quality, heavy duty crankcase oil that delivers significant improvements in wear protection, deposit control and resistance to breakdown under high temperatures.

It is designed to effectively combat sludge and varnish formation.

### Benefits

Emarat Power Optima provides the following benefits when used as recommended:

- Virtually eliminates under crown deposits
- Provides outstanding lube/ fuel compatibility
- Provides excellent fuel soot dispersancy and oxidation resistance
- Outstanding wear protection
- Provides excellent High Temperature properties
- Excellent protection from piston ring deposits
- Helps maintain vehicle emission compliance and excellent fuel efficiency

### Application

Emarat Power Optima is the highest performance 15W40 HD oil providing outstanding protection for virtually all engines including latest Euro 5 and US 2007 as well as the older engines. In off-road applications, it is suitable for use in agriculture and construction applications, even with high levels of fuel sulphur.

It is specially formulated to give efficient lubricity even in severe conditions.

### Properties

Emarat Power Optima formulated with enhanced acid control system to help the fleet operators to achieve maximum Oil Change Intervals. It provides significantly higher levels wear protection which helps to prolong the engine efficiency and life. Its excellent thermal and oxidation stability helps to protect engine deposit and sludge build up to keep engines running reliably. Excellent oil consumption control requires less make up oil during operation, which helps lower oil cost.

### Typical Characteristics

| Power Optima            | 15W40   | Credentials & Specifications              |
|-------------------------|---------|---|
| API Grade               | CJ-4/SM | Caterpillar: ECF – 2, ECF - 3             |
| Specific Gravity @ 15°C | 0.8755  | Cummins: CES 20081, 77, 72, 71            |
| Flash Point, °C         | 225     | DDC: 93K218, MAN: 3575                    |
| Pour Point, °C          | - 33    | MACK: EO – O Premium Plus                 |
| Viscosity Index         | 140     | MB Approval: 228.31,                      |
| Viscosity at 40°C, cSt  | 110     | IVECO: T2 E7                              |
| Viscosity at 100°C, cSt | 15.0    | ACEA: E9, E7, SCANIA: Low Ash             |
| Total Base No., Min.    | 10.50   | Volvo: VDS -4, VDS – 3, JASO: DH - 2      |
| Sulfated Ash, % wt.     | 1.00    | Renault Trucks: RLD – 3                   |
|                         |         | API: CJ-4, CI-4 +, CI-4, CH-4, CG-4, CF-4 |

Typical physical characteristics of Power Optima are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

### Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Emarat lubricants sales office, or via the Internet on [www.emarat.ae](http://www.emarat.ae)