



# OPUS LUBRICANTS PRODUCT DATA

## MAX 10W/40 LOW SAPS

### Description

**OPUS MAX 10W/40** 'Low SAPS' is a heavy duty diesel engine oil with the latest API CK-4 and ACEA E11-22 specifications and is formulated to meet the latest Euro V & VI low emission requirements, this is suitable for use in current low emission engines which employ advanced exhaust after treatment devices such as Diesel Particulate Filters (DPF), as well as Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR). It is formulated with a high performance additive system and is suitable for engines powered by both ultra low and low sulphur diesel providing superior protection and allowing extended oil drain servicing (subject to OEM recommendations and good operating practices).

### Applications

**OPUS MAX 10W/40** is designed to allow fleet operators to run their new vehicles to maximum drain intervals. Its primary application is for the latest low emission Euro V and Euro VI European trucks and buses, especially those requiring a Low SAPS lubricant.

### Performance Levels

- API: CK-4
- ACEA: E7, E9, E11-22
- Mercedes-Benz: 228.31
- MAN: M3775
- Volvo VDS-4.5
- Renault: RLD-4 / RLD-3
- Mack: EOS-4.5
- MTU Type 2.1
- Caterpillar ECF-3
- Deutz DQC III-18-LA
- Detroit Diesel: 93K222
- Cummins: CES 20086
- JASO: DH-2

### Benefits

- Meets the current requirements of API CK-4
- Suitable for vehicles fitted with diesel particulate filters (DPF) as well as EGR and SCR
- Designed for both ultra low and low sulphur diesel (Low SAPS)
- Allows extended drain intervals between oil changes
- Enhanced soot control and dispersing capabilities
- Demonstrates good cold start up performance
- Minimises engine wear and oil consumption
- Fuel saving benefits
- Backward compatible to older models



### **Typical Data**

| <b>SAE</b>           |             | <b>10W/40</b> |
|----------------------|-------------|---------------|
| Specific Gravity     | @ 15°C      | 0.867         |
| Kinematic Viscosity  | @ 100°C cSt | 13.50         |
|                      | @ 40°C cSt  | 91.00         |
| Viscosity Index      |             | 149           |
| Sulphated Ash, wt %  |             | 1.0% max      |
| Pour Point °C        |             | -39           |
| Flash Point (COC °C) |             | 225           |
| TBN (mg KOH/gram)    |             | 10.5          |

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