

# SCARLINE

LUBRICANTS & GREASE EXPERTS

## EXTRA 5W-30 CK-4

**SCARLINE EXTRA 5W-30 CK-4** is a premium low-SAPS heavy-duty diesel engine oil formulated with advanced synthetic base oils and state-of-the-art additive technology. It provides excellent wear protection, oxidation stability, and deposit control while ensuring compatibility with modern exhaust after-treatment systems such as DPF, SCR, and EGR. Its low-viscosity 5W-30 grade helps improve fuel efficiency without compromising durability, making it ideal for long-haul and severe duty applications. Designed for heavy-duty diesel engines in trucks, buses, and off-highway equipment.

### Features and Benefits

- *Fuel Efficiency* – Optimized low-viscosity formulation reduces friction and improves fuel economy.
- *Emission System Protection* – Low SAPS formula extends the service life of DPF, SCR, and EGR systems.
- *Outstanding Wear Protection* – Provides maximum durability even under high-load and long-haul conditions.
- *Extended Oil Drain Capability* – Excellent oxidation stability and TBN retention allow longer service intervals.
- *Superior Engine Cleanliness* – Reduces sludge, soot, and deposit build-up for improved reliability.
- *Cold Start Performance* – Excellent low-temperature fluidity ensures rapid lubrication at start-up.
- *High Shear Stability* – Maintains viscosity and film strength under severe operation.
- *Versatile Use* – Backward compatible with older engines, making it ideal for diverse fleets.
- *Lower Operating Costs* – Reduces downtime and maintenance by keeping engines cleaner and more efficient.

### Specifications

#### Meets and Exceeds:

API CK-4/CJ-4, API SN; ACEA E11/E9/E8/E7/E6/E4; MAN M3777/M3677/M3775/M3477/M3271-1; DTFR15C120 (MB 228.52), DTFR 15C110 (MB 228.51); Volvo VDS-4.5; Renault Trucks RLD-3; MACK EOS-4.5; Scania LDF-4; Deutz DQC IV-18 LA; MTU Type 3.1; Detroit Diesel DDC93K222; Cummins CES 20086; DAF Extended Drain; Caterpillar ECF-3; IVECO FPT TLS E9, IVECO FPT TLS CK4

### Technical Specifications

| Test                               | Metot      | Typical Properties |
|------------------------------------|------------|--------------------|
| Kinematic Viscosity (100°C), [cSt] | ASTM D445  | 10,0 - 12,3        |
| Density @ 15°C g/ml                | ASTM D4052 | 0,855 - 0,870      |
| Viscosity Index                    | ASTM D2270 | Min. 140           |
| Flash Point, °C                    | ASTM D92   | Min. 220           |
| Pour Point, °C                     | ASTM D97   | Max. -33           |
| Total Base Number, mg KOH/g        | ASTM D2896 | Min. 10,5          |

### Health & Safety

Avoid prolonged or repeated contact with used oil. Wash skin thoroughly after handling. Refer to the product's Safety Data Sheet (SDS) for more details.

### Storage & Handling

Store in a dry, clean environment at temperatures between -10°C and +40°C. Keep the container tightly closed and avoid contamination.