

---

**DURAFLEET SAE 15W-40    API CK-4/SN    ACEA E9-16**

**Premium Performance, HYDRO-SYN™ heavy duty diesel engine oil for protection in naturally aspirated and turbo diesel engines requiring low-mid SAPS protection.**

**Description**

Durafleet 15W-40 is an advanced diesel engine oil for all major European, American and Japanese engine manufacturers.

Durafleet 15W-40 provides benefits in low-emission diesel engines and older diesel engines operating on low or high sulphur fuel in naturally aspirated and turbocharged diesel engines.

Durafleet 15W-40 is a fit for purpose Heavy Duty Diesel Oil for diesel engines fitted with Exhaust Gas Recirculation (EGR), Diesel Particulate Filtering (DPF) and Selective Catalytic Reduction (SCR) that require low ash oils.

Durafleet 15W-40 provides component durability, stay-in-grade viscosity with proven reduced oil consumption in intercooled, turbocharged engines operating under severe on and off highway conditions.

**Application**

Durafleet 15W-40 meets ACEA E9-16 and earlier specifications for E7-12/16. Specifically formulated to lubricate high speed 4 stroke diesel engines operating under severe service conditions. Suitable for highway transport, construction, mining and agricultural equipment including stationary power generation.

**Benefits**

- Stay-in-grade shear stability improving long term viscosity protection
- Wear protection of all engine components
- High thermal and oxidation stability
- High temperature protection of critical bearings and shafts in turbochargers
- Eliminates engine sludge and maintains valve drivetrain and piston cleanliness
- Reduced oil consumption through use of low volatility HYDRO-SYN™ base oils
- Excellent cold crank and start-up wear protection in colder weather areas
- Meets OEM specifications for mixed fleet operations

**Recommendation**

Where heavy duty diesel engines operate on diesel fuel with sulphur in excess of 15ppm, it is recommended to use HOCL Oils CI-4 HDDEO.

## TECHNICAL DATA SHEET



### Specifications

API: CK-4/SN

ACEA: E9-16

CATERPILLAR: ECF-3

CUMMINS: CES 20086

DETROIT DIESEL: DFS93K222

DEUTZ: DQC III-10 LA

FORD: M2C171-F1

JASO: DH-2

MACK: EO-S-4.5

MB: 228.31

MTU: Type 2.1

RENUALT Truck: RLD-3

VOLVO: VDS-4.5

ALLISON: C3

#### **Backward compatibility:**

API: CJ-4, CI-4 PLUS/SM

ACEA: E7-16

CATERPILLAR: ECF-1a, ECF-2

CUMMINS: CES 20081

DETROIT DIESEL: 93K218

MACK: EO-O Premium Plus

MAN: M 3275

VOLVO: VDS-4, VDS-3

| TEST DESCRIPTION                             | ASTM   | TEST RESULT  |
|--|--------|--------------|
| Description                                  | Visual | Clear/Amber  |
| SAE Viscosity Grade                          |        | 15W-40       |
| Viscosity, cSt @ 40°C, mm <sup>2</sup> /s    | D-445  | 110.35       |
| Viscosity, cSt @ 100°C, mm <sup>2</sup> /s   | D-445  | 14.87        |
| Viscosity Index                              | D-2270 | 140          |
| Density @ 15°C, kg/L                         | D-4052 | 0.872        |
| Total Base Number, (TBN), mg KOH/g           | D-2896 | 9.8          |
| HTHS @ 150°C, cPa                            | D-4683 | 4.19         |
| Cold Crank Viscosity, mPa.s @ -20°C          | D-5293 | 5,150        |
| Pour Point, °C                               | D-5950 | -33          |
| Flash Point (COC), °C                        | D-92   | 242          |
| NOACK Volatility, Evaporative Loss % @ 250°C | D-5800 | 9.78         |
| Sulphated Ash, mass wt%                      | D-874  | 0.99         |
| <b>PRODUCT CODE</b>                          |        | <b>88806</b> |

88806v20 DG/GS2/20

*Typical formulation specifications at time of production, minor variations may occur.*