

CHAMPION NEW ENERGY 10W40

This is a semi synthetic lubricant based on carefully selected highly refined base oils. This oil is designed to meet the latest specifications of both European and American manufacturers of heavy diesel engines. It provides excellent protection against deposits in oil pipes, turbo's and provides improved protection against camshaft wear.

APPLICATIONS

Suitable for low-emission engines in the Euro II and Euro III standards. It is not suitable for Euro IV engines with particulate filter. It allows very long drain intervals.

FEATURES

Total engine protection: outstanding engine cleanliness and durability

Cold start: very good fluidity at low temperature

PERFORMANCE

| | | | |
|----------------------|------------------|-----------------------|----------------------|
| ACEA | A3/B4 | DETROIT DIESEL | DFS 93K215 |
| ACEA | E7 | DEUTZ | approval DQC-III-18 |
| API | approval CI-4/SL | DEUTZ | DQC-III-10 |
| API | CF-4 | GLOBAL | DHD-1 |
| API | CG-4 | IVECO | 18-1804 Classe T2 E7 |
| API | CH-4 | MACK | approval E0-N |
| JASO | DH-1 | MACK | E0-M PLUS |
| ALLISON | C4 | MAN | M3275-1 |
| CATERPILLAR | ECF-1a | MB | 228.3 |
| CATERPILLAR | ECF-2 | MB | 229.1 |
| CATERPILLAR | TO-2 | MTU | Oil Category 1 |
| CUMMINS | CES 20076 | MTU | Oil Category 2 |
| CUMMINS | CES 20077 | RENAULT | approval RLD-2 |
| CUMMINS | CES 20078 | RENAULT | RLD |
| DAIMLER TRUCK | DTFR 15B110 | VOLVO | approval VDS-3 |

CHAMPION CHEMICALS NV

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www.championlubes.com





TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|------------------------------|------------|--------------------|-----------------|
| Density at 15°C | ASTM D4052 | g/ml | 0.863 |
| Kinematic viscosity at 40°C | ASTM D445 | mm ² /s | 88.4 |
| Kinematic viscosity at 100°C | ASTM D445 | mm ² /s | 13.8 |
| Viscosity index | ASTM D2270 | | 160 |
| B.N. (HClO4 method) | ASTM D2896 | mg KOH/g | 10.1 |
| Pour point | ASTM D6892 | °C | -39 |
| CCS viscosity at -25°C | ASTM D5293 | mPa.s | 5500 |
| Sulfated Ash | ASTM D874 | Mass % | 1.49 |
| Flash Point COC | ASTM D92 | °C | 227 |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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