

# CHAMPION NEW ENERGY 15W40

*This is a high-performance mineral diesel engine oil formulated to deliver reliable performance in a broad range of heavy-duty applications. It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).*

## APPLICATIONS

*Recommended for all modern diesel engines of trucks, off-road equipment and other heavy-duty applications. Universal use, including mixed fleets. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV). Meets and exceeds the demanding requirements of many U.S. and European diesel engine manufacturers.*

## FEATURES

*Total engine protection: outstanding engine cleanliness and durability*

## SPECIFICATIONS

|                |                         |         |                |
|----------------|-------------------------|---------|----------------|
| ACEA           | A3/B4                   | RENAULT | RLD            |
| ACEA           | E7                      | VOLVO   | approval VDS-3 |
| API            | approval CI-4/SL        |         |                |
| API            | CF-4                    |         |                |
| API            | CG-4                    |         |                |
| API            | CH-4                    |         |                |
| JASO           | DH-1                    |         |                |
| ALLISON        | C4                      |         |                |
| CATERPILLAR    | ECF-1a                  |         |                |
| CATERPILLAR    | ECF-2                   |         |                |
| CATERPILLAR    | T0-2                    |         |                |
| CUMMINS        | CES 20076               |         |                |
| CUMMINS        | CES 20077               |         |                |
| CUMMINS        | CES 20078               |         |                |
| DAIMLER TRUCK  | approval DTFR 15B110    |         |                |
| DETROIT DIESEL | DFS 93K215              |         |                |
| DEUTZ          | approval DQC-III-18     |         |                |
| DEUTZ          | DQC-III-10              |         |                |
| GLOBAL         | DHD-1                   |         |                |
| IVECO          | 18-1804 Classe T2 E7    |         |                |
| MACK           | approval EO-N           |         |                |
| MACK           | EO-L                    |         |                |
| MACK           | EO-M PLUS               |         |                |
| MAN            | M3275-1                 |         |                |
| MB             | 229.1                   |         |                |
| MB             | approval 228.3          |         |                |
| MTU            | approval Oil Category 2 |         |                |
| MTU            | Oil Category 1          |         |                |
| RENAULT        | approval RLD-2          |         |                |

### CHAMPION CHEMICALS NV

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[www.championlubes.com](http://www.championlubes.com)





## TYPICAL CHARACTERISTICS

| Test                            | Method     | Unit               | Average results |
|---------------------------------|------------|--------------------|-----------------|
| Density at 15°C                 | ASTM D4052 | g/ml               | 0.886           |
| Kinematic viscosity at 40°C     | ASTM D445  | mm <sup>2</sup> /s | 97              |
| Kinematic viscosity at 100°C    | ASTM D445  | mm <sup>2</sup> /s | 13.8            |
| Viscosity index                 | ASTM D2270 |                    | 144             |
| B.N. (HClO <sub>4</sub> method) | ASTM D2896 | mg KOH/g           | 10.1            |
| Pour point                      | ASTM D6892 | °C                 | -36             |
| CCS viscosity at -20°C          | ASTM D5293 | mPa.s              | 6500            |
| Sulfated Ash                    | ASTM D874  | Mass %             | 1.49            |
| Flash Point COC                 | ASTM D92   | °C                 | 220             |

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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