

# ACTIVE DEFENCE

## 15W40 CF-4

**Universal motor oil, suitable for 4-stroke gasoline and diesel engines between 1989 and 1994. It combines the following characteristics : very high resistance to oxidation, good detergent and dispersant properties; a great ability to neutralize acids and a high lubricity.**

### ZASTOSOWANIA

Universal all year motor oil, intended for transport and construction. This oil is especially recommended for mixed fleets (cars and trucks). It can be used in all regions in diesel engines with natural aspiration or turbocharging and all gasoline engines.

### CECHY

Total engine protection : performance in keeping the engine clean.

### SPECYFIKACJA

|                    |          |              |               |
|--------------------|----------|--------------|---------------|
| <b>ALLISON</b>     | C4 Level | <b>MB</b>    | 227.1         |
| <b>API</b>         | CF-4/SG  | <b>MIL</b>   | MIL-L-2104 E  |
| <b>CATERPILLAR</b> | TO-2     | <b>MIL</b>   | MIL-L-46152 D |
| <b>MAN</b>         | 271      | <b>VOLVO</b> | VDS level     |

### TYPOWE CECHY

| Test                                 | Metoda     | Jednostka          | Średni wynik |
|--------------------------------------|------------|--------------------|--------------|
| Gęstość w temp. 15°C                 | ASTM D4052 | g/ml               | 0.882        |
| Lepkość kinematyczna przy temp. 40°C | ASTM D445  | mm <sup>2</sup> /s | 105          |
| Lepkość kinematyczna w temp. 100°C   | ASTM D445  | mm <sup>2</sup> /s | 13.7         |
| Indeks lepkości                      | ASTM D2270 |                    | 130          |
| B.N. (metoda HClO <sub>4</sub> )     | ASTM D2896 | mg KOH/g           | 6.3          |
| Temperatura krzepnięcia              | ASTM D6892 | °C                 | -30          |
| Lepkość SDW w temp. -20°C            | ASTM D5293 | mPa.s              | 6500         |
| Dodatki siarczanów w popiele         | ASTM D874  | Mass %             | 0.7          |
| Tempera zapłonu metodą Clevelanda    | ASTM D92   | °C                 | 230          |

Zastrzegamy sobie prawo do modyfikowania ogólnych charakterystyk naszych produktów, aby umożliwić naszym klientom czerpanie maksymalnych korzyści z najnowszych odkryć techniki.

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