

## OPTIMA 15W50

**OPTIMA 15W50** .This is a high quality, universal motor oil of the latest generation. It can be used for all vehicles, as well gasoline as diesel engines, and is particularly designated for mixed fleets.

**OPTIMA 15W50** meets the following performance criteria:

ACEA: A3/B4-98

ACEA: E2-level

ALLISON : C4 Level

API: CF-4/SJ

CATERPILLAR: TO-2

MAN: 271

MB: 228.1

MTU: TYPE 1

VOLVO: VDS level

### APPLICATIONS :

This oil is used for the majority of petrol engines and diesel engines, both with normal suction as supercharged. All gasoline engines (multivalve, turbo, etc...) from 1997 to 2001.All turbo diesel engines, even with extended drain intervals of passenger cars and heavy trucks.

It is especially recommended for diesel engines with direct injection. The excellent viscosity can be used all year round.

### TYPICAL CHARACTERISTICS :

| Test              | Method     | Unit    | Average result |
|-------------------|------------|---------|----------------|
| SAE Class         |            |         | 15W50          |
| Density @15°C     | ASTM D4052 | kg/l    | 0,880          |
| Viscosity @-25°C  |            | mPa.s   | 6250           |
| Viscosity @40°C   | ASTM D7042 | mm2/s   | 134            |
| Viscosity @100°C  | ASTM D7042 | mm2/s   | 17.9           |
| Viscosity Index   | ASTM D2270 |         | 149            |
| Flash point COC   | ASTM D92   | °C      | 225            |
| Pour point        | ASTM D97   | °C      | -27            |
| Total Base Nummer | ASTM D2896 | mgKOH/g | 8,3            |
| Sulphated Ash     | ASTM D874  | %       | 1.02           |

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

Product code: ARV129