



# SPECIFIC

## 504 00 507 00 5W-30



**VOLKSWAGEN Gasoline and Diesel engine oil**

**Approved VW 504 00 & 507 00**

**100% Synthetic**

### TYPE OF USE

Specifically designed for VAG Group recent cars (VOLKSWAGEN, AUDI, SKODA, and SEAT) fitted with Euro 4, Euro 5 and Euro 6 engines that require lubricants with low Sulfated Ashes, low Phosphorus and low Sulfur rates (Low SAPS).

MOTUL SPECIFIC 504 00 507 00 5W-30 is fully backward compatible over previous VW oil standards such as VW 501 01, 502 00, 503 00 and 503 01 for Gasoline engines, and VW 505 00, 505 01, 506 00 and 506 01 for Diesel engines.

VOLKSWAGEN R5 and V10 TDI engines from MY2003 to MY2007 must only use an approved VW 506 01 lubricant in viscosity grade 0W-30 such as MOTUL SPECIFIC 506 01 506 00 503 00 0W-30 or MOTUL SPECIFIC 504 00 507 00 0W-30.

Drain intervals remain fixed at 15 000 km in Europe for any car calling exclusively for VW 501 01, 502 00, 505 00 or 505 01 oils even if the vehicle is using MOTUL SPECIFIC 504 00 507 00 5W-30 or MOTUL SPECIFIC 504 00 507 00 0W-30.

If in doubt, before use always refer to the owner's manual.

### PERFORMANCES

|           |                    |
|-----------|--------------------|
| STANDARDS | ACEA C3            |
| APPROVALS | VW 504 00 - 507 00 |

Engines compliant with Euro 4, Euro 5 and Euro 6 emission regulation are fitted with sensitive exhaust gas after treatment systems. Indeed, Sulfur and Phosphorus inhibit catalytic converters operation leading to inefficient exhaust gas treatment; and Sulfated Ashes clog DPFs leading to shorten regenerating cycle, quick oil aging, higher fuel consumption, and engine power loss.

VOLKSWAGEN has developed VW 504 00 and 507 00 standards for lubricants with low Sulfur, Phosphorus and Sulfated Ashes content, compatible with their after treatment systems such as catalytic converters, SCR (Selective Catalytic Reduction) and DPF, in order to guarantee a perfect durability of VAG group engines (VOLKSWAGEN, AUDI, SKODA, SEAT). These types of "long life" oils allow extended drain intervals managed by vehicles on-board computer.

### RECOMMENDATION

Drain interval: refer to manufacturers' recommendations and tune to your own use.

Do not mix with lubricants non VW 504 00 507 00 compliant.

Before use always refer to the owner manual or handbook of the vehicle.

## **PROPERTIES**

|                                 |            |               |
|---------------------------------|------------|---------------|
| Viscosity grade                 | SAE J 300  | <b>5W-30</b>  |
| Density at 20°C (68°F)          | ASTM D1298 | 0.848         |
| Viscosity at 40°C (104°F)       | ASTM D445  | 68.3 mm²/s    |
| Viscosity at 100°C (212°F)      | ASTM D445  | 11.8 mm²/s    |
| Viscosity HTHS at 150°C (302°F) | ASTM D4741 | 3.5 mPa.s     |
| Viscosity index                 | ASTM D2270 | 171           |
| Pour point                      | ASTM D97   | -39°C / -38°F |
| Flash point                     | ASTM D92   | 226°C / 439°F |
| Sulfated ash                    | ASTM D874  | 0.68% weight  |
| TBN                             | ASTM D2896 | 6.8 mg KOH/g  |