



## MOTUL POWER LCV EURO+ 5W-40

**Gasoline & Diesel lubricant for Light Commercial Vehicles (LCV)  
- EURO IV and V  
Technosynthese®**

### TYPE OF USE

High performance technosynthese® lubricant approved by many LCV manufacturers.

Specially designed for last generation European LCV, powered by turbo Diesel direct injection or Gasoline engines, EURO IV or EURO V emission regulation compliant, requiring an ACEA C3 engine oil i.e. high HTHS (> 3.5 mPa.s) viscosity and "Mid SAPS" with reduced content of sulfated ash ( $\leq 0.8\%$ ), phosphorus ( $0.07 \leq x \leq 0.09\%$ ) and sulfur ( $\leq 0.3\%$ ).

Compatible with catalytic converters and Diesel Particulate Filters (DPF).

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

### PERFORMANCES

|                 |   |
|-----------------|---|
| STANDARDS       | ACEA C3<br>API SN/CF  |
| APPROVALS       | RENAULT RN0710 - RN0700<br>VW 502 00 505 00 505 01                |
| PERFORMANCES    | MERCEDES-BENZ MB 229.51, FIAT 9.55535-S2                          |
| RECOMMENDATIONS | FOTON, HYUNDAI, IVECO, KIA, MITSUBISHI, NISSAN, SSANGYONG, SUZUKI |

Engines compliant with EURO IV and EURO V 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.

The ACEA C3 standard requests from the lubricant significant oil film resistance and low emission performance for powerful engines: Motul Power LCV Euro+ 5W-40 has synthetic base stocks and dedicated SAPS levels that generates outstanding oil film resistance, reduces friction in the engine and provides after treatment devices compatibility. Motul Power LCV Euro+ 5W-40 brings high lubricating properties such as wear protection and high temperature resistance for better controlled oil consumption. ACEA C3 lubricants achieve extended drain intervals managed by vehicles on-board computer.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

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The MB 229.51 requires among many other severe constrains from the lubricant a reduced content of Sulfated Ash, Phosphorus and Sulphur in order to be compatible with MERCEDES exhaust gas after treatment systems. The specification MB 229.51 applies to some MERCEDES Gasoline engines, and to all MERCEDES Diesel engines, with or without DPF.

RENAULT has developed RN0700 and RN0710 standards for oils able to endure the most severe thermal constrains along with modern after treatment systems compatibility.

The Renault RN0700 standard applies to all Naturally Aspirated Gasoline engines (except Renault Sport) of RENAULT Group (Renault, Dacia, Samsung).

The RN0700 specification applies also to all RENAULT Diesel cars fitted with 1.5L dCi engines without DPF (Diesel Particulate Filter) having less than 100 hp output and 20 000 km or 1 year oil drain interval.

The Renault RN0710 standard applies to all Turbocharged Gasoline, Renault Sport and Diesel without DPF engines of RENAULT Group (Renault, Dacia, Samsung).

The RN0710 specification does not apply to RENAULT Diesel cars fitted with 1.5L dCi engines without DPF having less than 100 hp output and 20 000 km or 1 year oil drain interval which specifically require a RN0700 lubricant. For the 2,2L dCi with DPF, use only an approved RN0710 lubricant, not a RN0720.

Specifications VW 502 00 and VW 505 01 require outstanding detergent/dispersant power, high oil film resistance and better viscosity increase resistance due to soot in order to cover many Gasoline engines and most of Direct Injection Diesel engines (unit injector system, fixed oil drain interval, check owner's manual).

The FIAT 9.55535-S2 performance level imposes the engine oil to combine both ACEA C3 standard and 5W-40 viscosity grade in order to perfectly lubricate all Gasoline engines of FIAT, ALFAROMEIO, and LANCIA produced from July 2007.

## RECOMMENDATIONS

Drain interval : according to manufacturers' recommendations and tuned to your own use.

Do not mix with lubricants not ACEA C3 compliant.

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



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### PROPERTIES

|                                 |            |                         |
|---------------------------------|------------|-------------------------|
| Viscosity grade                 | SAE J 300  | 5W-40                   |
| Density at 20°C (68°F)          |            | 0.845                   |
| Viscosity at 40°C (104°F)       | ASTM D445  | 84.7 mm <sup>2</sup> /s |
| Viscosity at 100°C (212°F)      | ASTM D445  | 14.1 mm <sup>2</sup> /s |
| HTHS viscosity at 150°C (302°F) | ASTM D4741 | 3.6 mPa.s               |
| Viscosity Index                 | ASTM D2270 | 172.0                   |
| Pour point                      | ASTM D97   | -39.0 °C / -38.0 °F     |
| Sulfated Ash                    | ASTM D874  | % weight 0.80           |
| TBN                             | ASTM D2896 | 7.5 mg KOH/g            |
| Flash point                     | ASTM D92   | 234.0 °C / 453.0 °F     |

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