



# MASTER ECO VCC 0W-20

## Description

## CARBON NEUTRAL

Very high-performance synthetic lubricant developed especially for VOLVO CARS engines. It is the only lubricant with this viscosity level that can be used in four-cylinder diesel and gasoline VOLVO VEA engines. Its 0W-20 viscosity ensures high performance with fuel savings of over 3.4% in standardized trials. It is suitable for vehicles of any make that require an ACEA A1/B1 or C5.

Master ECO VCC 0W-20 lubricant is **Carbon Neutral** because of minimizing emissions during its manufacture, maximizing the use of packaging with a high content of recycled material, and compensating for residual emissions that could not be avoided. To achieve this, verified credits from nature-based projects have been used, which in addition to removing CO<sub>2</sub> from the atmosphere, improve biodiversity and support the development of local communities (1 credit = 1 ton of CO<sub>2</sub>).

## Properties

- The trials carried out under standard M111FE method conditions confirm that this lubricant helps consumers obtain savings on fuel of over 3.4% in comparison with other conventional lubricants.
- It meets the requirements of the VOLVO VCC RBS0-2AE specification for the latest direct-injection diesel and gasoline engines.
- Its 0W-20 viscosity level makes cold starts easier by maintaining perfect lubrication in the metal-metal contact points while adapting to the various different types of driving.
- The tests carried out on the formation of sludge/waste at low and high temperatures have confirmed excellent cleaning performance at the same time as offering minimal friction to ensure maximum engine efficiency.

## Quality levels, approvals and recommendations

- API: SN\*
- ACEA: A1/B1, C5
- VOLVO: VCC RBS0-2AE\*
- FIAT: Meets FIAT 9.55535 DSX

\*Formal approval

## Technical specifications

|  | UNIT              | METHOD      | VALUE  |
|--|-------------------|-------------|--------|
| SAE Grade                              |                   |             | 0W-20  |
| Density at 15 °C                       | g/cm <sup>3</sup> | ASTM D4052  | 0.843  |
| Kinematic viscosity at 100 °C          | cSt               | ASTM D445   | 9.0    |
| Kinematic viscosity at 40 °C           | cSt               | ASTM D445   | 46     |
| CCS Viscosity at -35 °C                | cP                | ASTM D5293  | <6,200 |
| Viscosity index                        |                   | ASTM D2270  | 174    |
| Flash point, open cup                  | °C                | ASTM D92    | 234    |
| Pour point                             | °C                | ASTM D97    | -48    |
| TBN                                    | mg KOH/g          | ASTM D2896  | 8      |
| Sulphated ashes                        | % in weight       | ASTM D874   | <0.9   |
| Shearing Inj.Bosch: Vis 100 °C (30 cy) | cSt               | ASTM D3945  | >7     |
| Noack volatility, 1h at 250 °C         | % in weight       | CEC L-40-93 | <13.0  |

The above mentioned characteristics are typical values and should not be considered product specifications.