

# 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.