

## MOTOR VEHICLE LUBRICANTS. CARS

# XTAR 0W20 ECO VCC

## DESCRIPTION ECOPRODUCT

Latest technology 100% synthetic lubricant especially developed for Volvo's new engines, maximizing fuel economy and guaranteeing extraordinary levels of engine protection and cleaning.

### PRODUCT APPLICATIONS

- Especially developed to comply with the new **Volvo VCC RBS0-2AE** specification and SAE 0W20 grade demanded for the new gasoline and diesel engine vehicles from the Volvo Car Corporation.
- Also suitable for engines in either hybrid, gas (LPG/CNG), gasoline or diesel vehicles from manufacturers who require a low viscosity product that meets the ACEA C5 specification.
- Suitable for extreme temperature conditions, while maintaining an excellent degree of fluidity at very low temperatures, facilitating starting, and with a high level of wear protection at high temperatures, which makes it especially suitable for urban uses with frequent stops and starts.

### PRODUCT PERFORMANCE

- Its latest-generation friction modification technology reduces the loss of energy caused by the friction between the engine's metallic parts, maximizing fuel economy and reducing CO<sub>2</sub> emissions.
- Its low phosphorus and sulfated ash content allows the performance optimization of three-way catalysts, reducing NO<sub>x</sub>, HC and CO emissions.
- Provides the engine with extraordinary wear protection.
- Excellent standard of engine cleaning and protection against acids and polluting agents during the oil's lifetime and minimization of the impact of the biofuel contaminants that become dissolved in the oil.

## SPECIFICATIONS

- ACEA C5
- API SN
- Volvo VCC RBS0-2AE
- Fiat 9.55535-GSX/DSX



## TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	XTAR 0W20 ECO VCC
<b>SAE Grade</b>	-	-	<b>0W20</b>
Density at 15°C	g/ml	ASTM D 4052	0.845
Viscosity at 100°C	cSt	ASTM D 445	9.2
Viscosity at 40°C	cSt	ASTM D 445	48.5
Viscosity Index	-	ASTM D 2270	175
CCS Viscosity at -35°C	cP	ASTM D 5293	6058
Pour Point	°C	ASTM D 5949	-48
Flash Point (COC)	°C	ASTM D 92	>220
Base number, TBN	mg KOH/g	ASTM D 2896	8.1
Sulfated Ash	% (m/m)	ASTM D 874	0.8
HTHS Viscosity at 150°C	cP	ASTM D 4683	2.8

## HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes. These values may be modified without any prior warning..