

TECHNICAL PRODUCT SHEET

# ECO R<sup>2</sup> X-100

## 10W—40



### DESCRIPTION

ECO R2 X-100 is a high-quality engine lubricant formulated with advanced re-refined synthetic base oils and a modern additive package designed for reliable performance in gasoline and diesel engines. It provides excellent engine cleanliness, strong wear protection, and effective deposit control under a wide range of operating conditions. By incorporating premium re-refined synthetic base oils, ECO R2 X-100 reduces lifecycle carbon emissions while maintaining the robust performance required by modern passenger car engines.

### APPLICATIONS

ECO R2 X-100 is suitable for all 4-stroke gasoline and diesel engines in passenger cars and light trucks, including turbocharged and multivalve configurations, catalytic and non-catalytic systems, and LPG-fueled engines. It performs reliably in both urban stop-and-go traffic and sustained high-speed motorway driving. Its versatile formulation supports extended drain intervals and mixed-fleet compatibility, making it a practical choice for workshops and vehicle owners seeking performance with reduced environmental impact.

### SPECIFICATIONS

API	SP	VW	501.00
API	SL	VW	505.00
ACEA	A3/B3	MB	229.1
ACEA	A3/B4	MB	229.51
FIAT	9.55535-D2		

### PROPERTIES

ECO R2 X-100 provides excellent viscosity retention, high thermal stability, and strong oxidation resistance to minimize oil degradation. Its detergent-dispersant system keeps engines clean and combats sludge formation, while friction-reducing chemistry supports efficient operation and contributes to fuel economy.

### BENEFITS

ECO R2 X-100 ensures rapid lubrication during cold starts, reliable wear protection at high temperatures, and stable performance over extended service intervals. Its re-refined synthetic base oils help reduce carbon footprint while maintaining clean engine operation, lowering emissions, and extending engine life.

### PHYSICAL-CHEMICAL CHARACTERISTICS



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ECO R2 X-100	METHOD	SAE 10W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.862
Dynamic Viscosity, °C/cP	ASTM D5293	-25°C/5,500
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.3
Viscosity, Kinematic (cSt) 40°C	ASTM D445	93.0
Viscosity index	ASTM D2270	159
TBN, mgKOH/g	ASTM D2896	10.4
Flash point, COC, °C	ASTM D92	240
Pour point, °C	ASTM D97	-33
HTHS, cP	CEC-L-36-A-90	4.0

The above mentioned characteristics represent mean values.

## STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



## HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



## USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

