

TECHNICAL PRODUCT SHEET

ECO R² DXS 5W—30



DESCRIPTION

ECO R2 DXS is a high-performance engine oil formulated with advanced re-refined synthetic base oils and an optimized low-SAPS additive system. It is engineered to deliver strong protection for modern gasoline and diesel engines equipped with aftertreatment systems such as DPF and DI turbochargers. Its re-refined synthetic formulation provides excellent thermal stability, oxidation resistance, and wear control, while significantly reducing environmental impact through lower lifecycle carbon emissions.

APPLICATIONS

ECO R2 DXS is suitable for vehicles requiring ACEA C3/C2-type performance, including Euro 4, 5, and 6 engines equipped with DPF and advanced emission control systems. It supports the lubrication needs of a wide range of passenger cars, SUVs, and light commercial vehicles powered by gasoline, diesel, or turbocharged direct-injection engines. Its compatibility with mixed-age vehicle fleets makes it a practical choice for workshops and fleet operators seeking strong performance with improved sustainability.

SPECIFICATIONS

API	SP	VW	505.01
API	SN PLUS	VW	505.00
API	SM	MB	229.52
API	SL	MB	229.51
ACEA	C3	GM	Dexos2™
ACEA	C2	BMW	LongLife-04

PROPERTIES

ECO R2 DXS offers stable viscosity performance, excellent friction reduction, and strong boundary-film strength under high mechanical and thermal loads. It effectively resists sludge formation, soot-induced thickening, and oxidation, ensuring clean engine operation and consistent protection across extended drain intervals.

BENEFITS

ECO R2 DXS provides reduced oil and fuel consumption, reliable cold-start protection, and long-term engine durability. Its re-refined synthetic base oils help lower carbon footprint without compromising performance, while its optimized additive system enhances cleanliness, minimizes deposits, and supports extended service intervals.



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PHYSICAL-CHEMICAL CHARACTERISTICS

ECO R2 DXS	METHOD	SAE 5W-30
Density at 15°C, g/cm ³	ASTM D4052	0.851
Dynamic Viscosity, °C/cP	ASTM D5293	-30°C/6,100
Viscosity, Kinematic (cSt) 100°C	ASTM D445	11.9
Viscosity, Kinematic (cSt) 40°C	ASTM D445	70.4
Viscosity index	ASTM D2270	166
TBN, mgKOH/g	ASTM D2896	8.0
Flash point, COC, °C	ASTM D92	230
Pour point, °C	ASTM D97	-36
HTHS, cP	CEC-L-36-A-90	3.5

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.

