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TECHNICAL PRODUCT SHEET

EVO TDI C3 5W—40

DESCRIPTION

EVO TDI C3 is a fully synthetic, low-SAPS lubricant engineered for modern Euro 5 and Euro 6 gasoline and diesel engines equipped with diesel particulate filters. Its advanced TriboACT® Formula enhances boundary-film strength and wear protection, delivering exceptional performance validated through stringent OEM industry testing, including demonstrated fuel-economy benefits of up to 2.0%. The formulation exceeds the latest low-emission, extended-drain oil specifications required by leading automotive manufacturers, ensuring robust thermal stability, deposit control, and long-term engine durability under high-stress operating conditions.

APPLICATIONS

EVO TDI C3 is a fully synthetic, high-stability engine lubricant engineered for demanding powertrains equipped with pump-injector (Pumpe-Düse, PD) systems requiring compliance with VW 505.01 performance criteria. Its advanced formulation delivers strong shear resistance, thermal stability, and wear protection, enabling extended drain intervals in modern passenger cars, SUVs, taxis, and light-duty vans powered by gasoline or turbocharged direct-injection diesel engines, with or without PD units and DPF systems. The lubricant is also suitable for the latest GM, Mercedes-Benz, and BMW gasoline and diesel engines employing long-life service technologies, providing enhanced durability, deposit control, and consistent protection under high mechanical and thermal loads.

SPECIFICATIONS

API	SQ	BMW	Longlife-04
API	SP	VW	Suitable for use: 505.00/505.01
API	SN (*Approved*)	Fiat	Level: 9.55535-S2
API	CF	MB	229.51
ACEA	C3	MB	229.52
		Opel Vauxhall	OV0401547

PROPERTIES

EVO TDI C3 is a fully synthetic, low-SAPS lubricant, engineered to deliver rapid oil circulation and reduced frictional losses through its inherently low viscosity profile. The absence of viscosity-modifier polymers ensures superior shear stability under high-temperature and high-shear operating conditions. Enhanced with TriboACT® Formula technology, the lubricant provides reinforced boundary-film protection, improved wear resistance, and optimized cleanliness performance, supporting reliable operation in advanced low-emission powertrains.

LPC S.A. 124 Megaridos Ave., Aspropyrgos
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BENEFITS

EVO TDI C3 SAE 5W-40 formula provides enhanced oxidation stability, minimizing oil degradation and ensuring consistently low oil consumption throughout extended drain intervals. Its strong resistance to viscosity increases under high-temperature, high-shear conditions delivers excellent shear stability and sustained lubrication performance. The chemistry is optimized to maximize the service life of DPF and TWC after-treatment systems by minimizing ash-forming components. Proven fuel-efficiency benefits of up to 2.0% are supported by reduced friction and rapid oil circulation during cold starts. The formulation effectively suppresses deposit formation, maintains superior engine cleanliness, and delivers reinforced wear protection for long-term durability under demanding operating conditions.

PHYSICAL-CHEMICAL CHARACTERISTICS

EVO TDI C3	METHOD	SAE 5W-40
Density at 15°C, g/cm^3	ASTM D4052	0.853
Dynamic viscosity, °C/cP	ASTM D5293	-30°C/5,200
Viscosity, Kinematic (cSt) 100°C	ASTM D445	13.7
Viscosity, Kinematic (cSt) 40°C	ASTM D445	80.5
Viscosity index	ASTM D2270	174
TBN, mgKOH/g	ASTM D2896	6.76
Flash point, COC, °C	ASTM D92	226
Pour point, °C	ASTM D97	-36
HTHS Viscosity @150oc, cP	ASTM D4683	3.74

The abovementioned 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.

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