

TECHNICAL PRODUCT SHEET

PRO TDI C3 5W—40



DESCRIPTION

PRO TDI C3 is a high-performance mid-SAPS lubricant engineered for Euro 6 and Euro 5 gasoline and direct-injection turbocharged engines equipped with DPF systems, while remaining suitable for earlier Euro generations. Its formulation delivers reinforced anti-wear protection for modern engines with tight tolerances, and its low ash, phosphorus, and sulfur content safeguards sensitive after-treatment devices. Extensive testing demonstrates strong ageing resistance, even under biodiesel dilution. Designed to exceed the performance requirements of major OEMs, it ensures durable protection and stable operation in demanding service conditions.

APPLICATIONS

PRO TDI C3 is suitable for a wide range of OEMs, including Mercedes-Benz, Opel, FIAT, Hyundai/KIA, SsangYong, and Suzuki, requiring ACEA C3 performance and enhanced aftertreatment system compatibility. Its formulation supports engines equipped with pump-injector (Pumpe-Düse) units and delivers strong protection in direct-injection, turbocharged diesel engines with or without PD or DPF systems. Designed for demanding service environments, it provides stable performance, reliable wear protection, and extended drain interval capability for passenger cars, taxis, and light-duty commercial vehicles.

SPECIFICATIONS

API	SQ	VW	Level: 505.01
API	SP	VW	Level: 505.00
API	SN Plus	MB	Level: 229.52
API	SN	MB	Level: 229.51
API	SM	GM	Level: dexos2™
API	SL	BMW	Level: LongLife-04
ACEA	C3		

PROPERTIES

PRO TDI C3 formula is based on superior-quality synthetic base stocks that ensure stable lubrication and strong thermal resistance under demanding operating conditions. Its premium mid-SAPS chemistry provides excellent compatibility with modern aftertreatment systems, while advanced detergent and dispersant additives deliver outstanding piston cleanliness and effective deposit control for sustained engine efficiency and long-term protection.

BENEFITS

PRO TDI C3 formula offers high shear stability to maintain consistent viscosity, ensuring rapid oil flow, reduced oil consumption, and strong resistance to viscosity increase under stress. Its mid-SAPS chemistry enhances protection of DPF and TWC systems, extending service life. Advanced sludge-control performance prevents oil starvation and reduces the risk of engine failure in demanding conditions.



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PHYSICAL-CHEMICAL CHARACTERISTICS

PRO TDI C3	METHOD	SAE 5W-40
Density at 15°C, g/cm ³	ASTM D4052	0.852
Dynamic viscosity, °C/cP	ASTM D5293	-30°C/6,200
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.2
Viscosity, Kinematic (cSt) 40°C	ASTM D445	86.3
Viscosity index	ASTM D2270	171
TBN, mgKOH/g	ASTM D2896	8.1
Flash point, COC, °C	ASTM D92	232
Pour point, °C	ASTM D97	-33
HTHS Viscosity @150°C, cP	ASTM D4683	3.53

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.

