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TECHNICAL PRODUCT SHEET

PRO GEAR TDL 80W—90

DESCRIPTION

PRO GEAR TDL is a high-performance total driveline lubricant, specifically engineered for gearboxes, axles, and differentials of modern passenger cars, trucks, and buses. It uniquely combines excellent low- and high-temperature fluidity, meeting the requirements of the majority of vehicle manufacturers. Its optimized viscosity characteristics ensure fast, smooth, and quiet gear shifting, contributing to enhanced driving comfort and drivetrain efficiency.

APPLICATIONS

PRO GEAR TDL is suitable for a wide range of applications in gearboxes, drive axles, and differentials of passenger cars, trucks, buses, and off-road vehicles operating under severe thermal and mechanical load conditions. It is recommended where manufacturers require compliance with API GL-4, API GL-5, and MT-1 specifications. It delivers exceptionally high-performance levels and exceeds the stringent requirements of modern total driveline systems, ensuring reliable protection, efficiency, and durability across all drivetrain components.

SPECIFICATIONS

API	GL-5	SAE	J2360
API	GL-4	U.S. Military	MIL-PRF-2105D
API	MT-1	U.S. Military	MIL-PRF- 2105E
MB	235.0	ZF	TE-ML 05A
MB	235.8	ZF	TE-ML 07A
MAN	3343 M	ZF	TE-ML 12E
MAN	341 Type E2	ZF	TE-ML 16B
MAN	342 Type E3	ZF	TE-ML 16C
MACK	GO-J	ZF	TE-ML 17B
SCANIA	STO:1	ZF	TE-ML 19B
Meritor	O-76-N	OEM	DAF, IVECO, Renault

PROPERTIES

PRO GEAR TDL provides excellent protection of metallic components against corrosion and rust, ensuring long-term durability of drivetrain parts. The formulation offers high resistance to lubricant oxidation at elevated operating temperatures, maintaining performance under severe thermal stress. It delivers outstanding fluidity and stability across a wide temperature range. It ensures superior wear protection, even under the most demanding conditions of extreme loads and high temperatures

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BENEFITS

PRO GEAR TDL ensures excellent condition of metallic components, significantly contributing to reduced maintenance costs. The formulation supports extended oil drain intervals, minimizing downtime and service frequency. It delivers outstanding rheological performance across a wide temperature range, particularly providing excellent fluidity at very low temperatures. These properties contribute to extended component service life and allow for longer maintenance intervals, even under demanding operating conditions.

PHYSICAL-CHEMICAL CHARACTERISTICS

PRO GEAR TDL	METHOD	SAE 80W-90
Density at 15°C, g/cm^3	ASTM D4052	0.893
Viscosity, Kinematic (cSt) 40°C	ASTM D445	144.8
Viscosity, Kinematic (cSt) 100°C	ASTM D445	15.2
Viscosity index	ASTM D2270	107
Flash point, COC, °C	ASTM D92	232
Pour point, °C	ASTM D97	-30

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.

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