

Product Data Sheet

PT Maxnitron Racer Axle

Standard Motorcycle Gear Oil

API GL-5

Multi-Grade: SAE 80W-90

PT Maxnitron Racer Axle is a standard-quality transmission and final drive lubricant for motorcycles, formulated with SYN4MAX technology from PT Maxnitron. It effectively protects against wear of gear teeth and internal components, reduces sludge formation, minimizes corrosion, and helps extend the service life of the transmission system.

Formulated with high-quality base oils, blended with advanced additive technology, including specially designed detergents. It offers excellent heat resistance and high shear stability under all riding conditions, ensuring reliable protection against heat-related damage and enabling the engine and drivetrain to operate at maximum efficiency and full performance.

Customer Benefits

- **Extended gear service life**

Formulated with Extreme Pressure (EP) anti-wear additives, helping to significantly extend the service life of gear teeth and bearings under demanding operating conditions.

- **Maximum engine power and performance**

PT Maxnitron Racer Axle contains specially selected additives that provide excellent thermal stability, helping to slow oxidation during high-temperature operation, reduce the formation of deposits, and extend seal life. It effectively protects engines operating at low engine speed with high torque, while also delivering excellent wear protection during high-speed operation.

- **Excellent heat resistance and extended drain interval**

With outstanding oxidation resistance, the oil maintains stability against heat and oxidation, ensuring a longer oil service life and reliable performance over extended operating periods.

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Performance Standards

- API GL-5
- ZF TE-ML 07A (Suitable for use: ZF TE-ML 16B, 16C, 17B and 19B)

Applications

- For lubrication of transmission and final drive systems in all 4-stroke automatic motorcycles requiring excellent protection, certified to API GL-5 standard
- For automatic motorcycles that require transmission-final drive lubricant with viscosity grade 80W-90
- Recommended drain interval: 3,000 – 4,000 km

(Drain interval depends on operating conditions and the condition of the transmission and final drive system)

Typical Characteristics

Properties	Test instrument	80W-90
Appearance	Visual	Bright & Clear
ASTM Color	ASTM D1500/D6045	2.0
Density @15°C	ASTM D4052	0.8788
Density @30°C	ASTM D4052	0.8693
Kinematic Viscosity @40°C (cSt.)	ASTM D445	130.8
Kinematic Viscosity @100°C (cSt.)	ASTM D445	14.04
Viscosity Index	ASTM D2270	105
Flash Point by COC	ASTM D92	242
Pour Point	ASTM D5950/D6892	-30
Total Acid Number (mgKOH/g)	ASTM D664	0.7944

*The above values represent typical production standards at the time of manufacture. Variations may occur between production batches; however, the essential characteristics and performance of PT Maxnitron remain consistent with its quality standards.