



XTERRA 4T

Full-Synthetic 4-Stroke Engine Oils for Motorcycles, ATVs & Quads

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DESCRIPTION

XTerra 4T is a range of 100% synthetic four-stroke engine oils built to meet current motorcycle manufacturer warranty requirements. It is formulated for the small-displacement, high-RPM, fuel-efficient engines found in today's domestic and imported motorcycles — engines that run hotter and demand an oil with real resistance to both viscosity and thermal breakdown. Premium synthetic base oils are combined with additive chemistry that protects against high-temperature oxidation, wear, and viscosity loss, and are fortified with detergent-dispersants plus rust and corrosion inhibitors to keep engines clean and free of sludge, varnish, and rust.

XTerra 4T addresses the demands unique to motorcycles, quads, and ATVs: air-cooled engines, very high RPM, rapid torque rise, wet clutches, and the extreme-pressure gears and chains that share the same sump. Its low oxidation rate also makes it well suited to winter lay-up — the oil holds its condition through storage, so the machine is ready when the weather turns.

PERFORMANCE HIGHLIGHTS

- **JASO MA2 wet-clutch performance** — frictional characteristics matched to wet clutches for positive engagement without slip or grab
- **High-temperature protection** — strong wear protection in hot-running engines, including air-cooled V-twins
- **Clutch and gear protection** — helps protect against clutch degradation and pitting caused by acidity and rust
- **High oxidation stability** — resists oil thickening and the formation of high-temperature sludge and varnish deposits
- **Shear-stable VI improver** — protects against viscosity breakdown in severe service and sustained high RPM
- **Racing capability** — maintains protection under competition loads and temperatures
- **Advanced detergent-dispersants** — keep internal engine parts clean through the drain interval
- **Anti-wear protection** — effectively protects cam lobes, chains, and clutches
- **Smooth, rapid gear changes** — consistent shift quality across the operating range
- **Winter storage stability** — very low oxidation makes the oil ideal for extended lay-up between seasons

APPLICATIONS

For four-stroke gasoline engines in motorcycles, ATVs, quads, and snowmobiles. Recommended for domestic and imported high-performance 4T motorcycle, ATV, and quad engines, including machines from Honda, Kawasaki, Suzuki, Yamaha, Polaris, Bombardier, Can-Am, Ducati, and BMW that require a 4T engine oil meeting JASO MA2.

SPECIFICATIONS

For use in applications requiring the following specifications:

- JASO MA2
- API SL
- Four-stroke gasoline engines
- Motorcycle, ATV, quad & snowmobile 4T service

CHEMICAL PROPERTIES

Property	20W-50	5W-50	10W-40	10W-60
SAE Viscosity Grade (SAE J300)	20W-50	5W-50	10W-40	10W-60
Specific Gravity @ 60 °F (ASTM D4052)	0.87	0.87	0.86	0.855
Kinematic Viscosity @ 40 °C, cSt (ASTM D445)	165	128	88.3	164.8
Kinematic Viscosity @ 100 °C, cSt (ASTM D445)	18.50	20.10	14.10	23.40
Viscosity Index (ASTM D2270)	126	180	165	172
FZG Load Stage, min. (DIN 51354)	12+	12+	12+	12+
Flash Point, °C (ASTM D92)	240	240	240	240
Pour Point, °C (ASTM D97)	-40	-54	-40	-36

Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.