

# MAX FSA 4T



## DESCRIPTION

MAX FSA 4T is high-performance 4-stroke motorcycle engine oil formulated with premium base stocks and an advanced additive system engineered to withstand the demanding operating conditions of modern motorcycles. Its balanced friction characteristics ensure optimal compatibility with wet clutch systems, preventing slippage while maintaining smooth power transfer. The formulation provides strong thermal and oxidative stability to resist viscosity breakdown under sustained high RPMs and elevated temperatures. Enhanced anti-wear, anti-corrosion, and detergent components protect critical engine and gearbox metals, reduce deposit formation, and extend engine life. This oil delivers consistent lubrication performance across a wide temperature range, ensuring reliable protection, cleanliness, and efficiency for both air-cooled and liquid-cooled motorcycle engines.

## APPLICATIONS

MAX FSA 4T is engineered for broad compatibility across modern 4-stroke motorcycle platforms, delivering stable lubrication and protection in both air-cooled and water-cooled engines operating on any fuel type. Its formulation supports the high mechanical and thermal demands of street, on/off-road, and enduro motorcycles, including multi-valve and V-Twin configurations. The oil maintains consistent viscosity and film strength under variable load conditions, ensuring dependable performance during extended high-speed travel as well as frequent stop-and-go urban operation. Its clean-burning additive system is fully compatible with catalytic converters, helping to preserve emission-control efficiency while sustaining engine cleanliness, wear protection, and long-term reliability.

## SPECIFICATIONS

API	SL
JASO	MA2
JASO	MA

## PROPERTIES

MAX FSA 4T provides strong adhesion to metal surfaces minimizes friction and wear, while excellent low-temperature fluidity ensures rapid circulation at start-up. The formulation offers efficient heat dissipation, strong shear stability, and an optimized friction coefficient, contributing to reduced oil consumption and consistent engine protection.

## BENEFITS

MAX FSA 4T formula delivers strong acceleration and protection under severe operating loads, with reliable low-temperature fluidity for easy cold starts. It controls high-temperature deposits, supports extended drain intervals, ensures robust JASO-MA2 clutch performance, and maintains consistent reliability in extreme thermal and mechanical conditions.



### TECHNICAL PRODUCT SHEET

## PHYSICAL-CHEMICAL CHARACTERISTICS

MAX FSA 4T	METHOD	SAE 20W-50
Density at 15°C, g/cm <sup>3</sup>	ASTM D4052	0.882
Dynamic Viscosity, °C/cP	ASTM D5293	-15°C/8,400
Viscosity, Kinematic (cSt) 100°C	ASTM D445	18.8
Viscosity, Kinematic (cSt) 40°C	ASTM D445	167.0
Viscosity index	ASTM D2270	127
Flash point, COC, °C	ASTM D92	232
Pour point, °C	ASTM D97	-27
TBN, mgKOH/g	ASTM D2896	6.8

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.

