



## Super S<sup>®</sup> Motorcycle Oil JASO MA/MA2

**Super S<sup>®</sup> Motorcycle Oil JASO MA/MA2** is a premium quality lubricant specially designed to protect components inside motorcycles and other ATV/UTV applications. It is formulated with a proprietary additive package chosen for exceptional wear protection, sludge and varnish resistance, and thermal stability that performs exceptionally well in systems utilizing a wet clutch. Provides high temperature film strength that exceeds JASO performance specifications for friction and wear extending service life.

**Super S<sup>®</sup> Motorcycle Oil JASO MA/MA2** has been tested under the most severe operating conditions and proven to deliver exceptional acceleration and power while providing uncompromised protection. The special viscosity improver used provides excellent film strength and shear stability helping to exceed the friction requirements for JASO rated motorcycle oils.

This versatile additive package also provides superb protection in normal gasoline engines found in cars, vans, and light duty trucks. It may be recommended for applications which call for an API SL or previous category performance level is required.

### FEATURES/BENEFITS

- Special additive system engineered specifically to reduce heat, friction, and wear in all operating environments
- Provides excellent protection for transmissions and wet clutches.
- Highly shear stable viscosity improver provides outstanding protection against thermal and viscosity breakdown.
- Provides excellent protection for air cooled engines.
- Protects against piston / cylinder scuffing.

- Flows well in cold starts to minimize wear.
- Outstanding anti-wear protection against engine deposits, sludge and varnish formation that can result from heavy load and stop-and-go driving conditions
- Maintains its properties at high temperatures and under extreme loads and operating conditions
- Satisfies warranty requirements of cars, light trucks, vans and sport utility vehicles that specify a JASO MA/MA2 or API SL , SJ or SH
- Offered in two viscosity grades 10W-40 and 20W-50
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### APPLICATIONS

**Super S<sup>®</sup> 4-Cycle Motorcycle Oil JASO MA/MA2** is specifically designed for high RPM and high temperature applications found in 4-stroke engines used in motorcycles, ATVs and similar vehicles.

**Super S<sup>®</sup> 4-Cycle Motorcycle Oil JASO MA/MA2** can be used in all 4-stroke motor cycle engines, including racing, high performance, street and off-road motorcycles.

**Super S<sup>®</sup> 4-Cycle Motorcycle Oil JASO MA/MA2** can also be recommended for use in gasoline engine applications calling for an API SL or previous category service level including those that require lubrication for wet clutches. This includes all gasoline driven cars, vans, and light duty trucks.

**\*\*Not for use in diesel , LNG/LPG, or 2-cycle engines. \*\***



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## TYPICAL CHARACTERISTICS

Super S <sup>®</sup> Motorcycle Oil JASO MA/MA2			
Properties	Test Method ASTM D-	Typical Results	
SAE Grade		<b>10W-40</b>	<b>20W-50</b>
Viscosity @ 100°C	445	13.5	18.0
Viscosity Index	2270	130-160	159
Pour Point, °C/°F	97	-27/-17	-24/-11
HTHS Viscosity	4741	3.60	3.95
NOACK Volatility	5800	10.7	9.8
DFI	JASO T903:2011	1.9-2.4	1.9-2.4
SFI	JASO T903:2011	1.8-2.4	1.8-2.4
STI	JASO T903:2011	1.9-2.4	1.9-2.4

The above characteristics are typical of current production. While production will conform to Smitty's specification, slight variations may occur and do not affect performance. For a complete list of applications, contact your SuperS<sup>®</sup> Representative.