



Hicks Oils  
845 N. Hickory  
DuQuoin, IL 62832

Sales: (314) 525-2568  
Operations: (618) 542-5431

# **FORMULA** **500**

## Formula 500® Group II JASO MA2 API SM Motorcycle Oils

Formula 500® JASO MA2, API SM motorcycle oils are a three tiered line of premium motorcycle oils, specifically designed to meet the most current performance requirements of the JASO MA2 and API SM service standards. All of Formula 500® JASO MA2, API SM motorcycle oils use a state of the art additive package that has been designed and tested to provide excellent wear protection, prevention from rust and oxidation, provide optimal clutch performance, and maintain proper frictional characteristics as required by the current JASO standards. All three tiers of the product use high quality group II base oils with high shear stability viscosity modifiers and are available in SAE viscosities of 10W-40 and 20W-50.

### **Standard Group II JASO MA2, API SM Motorcycle Oil:**

Formula 500® Group II JASO MA2 API SM Standard Motorcycle oil uses current state of the art additive technology in a group II base stock to meet the requirements of the current JASO MA2 and API SM service standards.

### **Premium Group II JASO MA2, API SM Motorcycle Oil:**

Formula 500® Group II JASO MA2 API SM Premium Motorcycle oil uses the same state of the art additive technology as the standard formulation in group II base stock but also contains an additional performance additive designed to increase the oils detergency characteristics that helps to promote cleanliness within the operating system.

### **Ultimate Premium Group II JASO MA2, API SM Motorcycle Oil:**

Formula 500® Group II JASO MA2 API SM Ultimate Premium Motorcycle oil is in the upper tier of motor cycle oils offered in the market place today. This Ultimate Premium formulation uses the same lab and field proven state of the art additive that provides for JASO MA2 API SM quality oil with the addition of other performance additives to provide extended protection and performance properties beyond the current service classifications. The additional additives provide superior performance and protection by using:

- Enhanced detergency to promote cleanliness in the operating system
- An ashless dispersant that inhibits sludge build up especially under hard riding conditions and extremes in temperatures
- Additional friction modifiers to ensure superior clutch performance and gear protection

Refer to individual typical properties sheets for more specific information and product codes.



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## Standard Group II JASO MA2 API SM Motorcycle Oils

Formula 500® Standard Group II JASO MA2, API SM motorcycle oils are specifically designed to meet the most current performance requirements of the JASO MA2 and API SM service standards. Formula 500® Standard Group II JASO MA2, API SM motorcycle oils use a state of the art additive package that has been designed and tested to provide excellent wear protection, prevention from rust and oxidation, provide optimal clutch performance, and maintain proper frictional characteristics as required by the current JASO MA2 standard. These oils use high quality group II base oils with high shear stability viscosity modifiers and are available in SAE viscosities of 10W-40 and 20W-50.

### Typical Properties:

Product: Formula 500® Standard Group II JASO MA2 API SM Motorcycle Oils		
Product Code	90149	90152
JASO, API Classification	MA2, SM	MA2, SM
SAE viscosity grade	10W-40	20W-50
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	15.5	19.7
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	120.0	172.0
Viscosity Index (ASTM D-2270)	135	132



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# FORMULA 500

## Premium Group II JASO MA2 API SM Motorcycle Oils

Formula 500® Premium Group II JASO MA2, API SM motorcycle oils are specifically designed to meet and exceed the most current performance requirements of the JASO MA2 and API SM service standards. Formula 500® premium Group II JASO MA2, API SM motorcycle oils use a state of the art additive package that has been designed and tested to provide excellent wear protection, prevention from rust and oxidation, provide optimal clutch performance, and maintain proper frictional characteristics as required by the current JASO MA2 standard. Additional ashless performance additives are added to increase the oils detergency. This increase in ashless detergency provides cleanliness beyond the JASO standard throughout the system by absorbing foreign contaminants. These oils use high quality group II base oils with high shear stability viscosity modifiers and are available in SAE viscosities of 10W-40 and 20W-50.

### Typical Properties:

Product:	Formula 500® Premium Group II JASO MA2 API SM Motorcycle Oils	
Product Code	90155	90158
JASO, API Classification	MA2, SM	MA2, SM
SAE viscosity grade	10W-40	20W-50
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	15.5	19.7
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	120.0	172.0
Viscosity Index (ASTM D-2270)	135	132



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# FORMULA 500

## Ultimate Premium Group II JASO MA2 API SM Motorcycle Oils

Formula 500® Ultimate Premium Group II JASO MA2, API SM motorcycle oils are among the higher tiered motorcycle oils in the market place today. These motorcycle oils are specifically designed to meet and exceed the most current performance requirements of the JASO MA2 and API SM service standards. Formula 500® Premium Group II JASO MA2, API SM motorcycle oils use a state of the art additive package that has been designed and tested to provide excellent wear protection, prevention from rust and oxidation, provide optimal clutch performance, and maintain proper frictional characteristics as required by the current JASO MA2 standard. Formula 500® Premium Group II JASO MA2 API SM motorcycle oil has been developed with additional performance additives to create an oil that exceeds the current certification standards. The additional additives provide superior performance and protection by using:

- Enhanced detergency to promote cleanliness in the operating system
- An ashless dispersant that inhibits sludge build up especially under hard riding conditions and extremes in temperatures
- Additional friction modifiers to ensure superior clutch performance and gear protection

These oils use high quality group II base oils with high shear stability viscosity modifiers and are available in SAE viscosities of 10W-40 and 20W-50.

### Typical Properties:

Product:	Formula 500® Ultimate Premium Group II JASO MA2 API SM Motorcycle Oils	
Product Code	90160	90162
JASO, API Classification	MA2, SM	MA2, SM
SAE viscosity grade	10W-40	20W-50
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)	15.5	19.7
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)	117.0	167.0
Viscosity Index (ASTM D-2270)	139	136