

## 705 SUPREME 7000 SYNTHETIC PLUS™ RACING OIL SAE 20W-50

Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 is a premium quality high zinc, multi-grade para-synthetic engine oil that is specially formulated to reduce friction and wear, increase engine efficiency and extend engine life in all types of gasoline engines including those that contain flat tappet cams and those that are turbocharged or supercharged.

Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 is blended from the finest quality synthetic plus base oils, advanced proprietary additive system and highly shear stable viscosity index improver available with provides the following advantages:

### PERFORMANCE

- Minimized volatility and chemical breakdown to provide maximum, long lasting anti-wear performance and protection.
- Excellent high temperature/high shear performance to provide excellent oil film thickness and engine protection at high operating temperatures and shear rates, while minimizing lubricant frictional resistance.
- Excellent low temperature flow characteristics and pumpability to provide rapid circulation and minimize wear during start-up.
- Reduced operating temperatures with increased fuel economy benefits.
- Extra protection for hot running engines.
- Enhanced protection when using ethanol blended fuels
- Increased engine life with extended drain interval capabilities

### DEPOSIT PROTECTION

- High detergency and dispersancy to suppress the formation of deposits, sludge and varnish
- Exceptional protection and resistance to oxidation and thermal breakdown
- Outstanding protection against the formation of high temperature deposits
- Active cleaning agents for increased engine cleanliness
- Exceptional protection against the formation of coking deposits on turbochargers
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### WEAR PROTECTION

- Extra zinc anti-wear additives to protect flat-tappet cams from excessive wear
- Enhanced lubrication to maintain maximum power and acceleration
- A reduction in ring and cylinder wear and reduced bearing wear for increased bearing life
- Superior valve train wear protection
- Excellent rust and bearing corrosion protection with Superior valve train-wear protection
- Excellent film strength - Provides increased protection against wear.

Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 also contains two proven frictional modifiers Micron Moly® and Schaeffer Mfg's own proprietary additive Penetro®. These two proven frictional modifiers once plated, form a long lasting, slippery, tenacious lubricant film, which prevents the metal surfaces from coming into contact with each other. By preventing metal-to-metal contact, damaging frictional wear is reduced which results in reduced wear, increased engine life and lower maintenance costs.

Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 can be used in most types of 4-cycle air-cooled or water-cooled motorcycle and ATV engines including those motorcycles that have a common sump for the engine and transmission (**non-metallic clutches only**).

**Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 is not recommended for use in those motorcycle and ATV applications that specify engine oil that meets JASO MA, MA-2 or MB. Use of Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 in applications that specify JASO MA, MA-2 or MB oil can cause slippage and improper engagement of the clutch mechanisms.**

**Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 is also not recommended for use in 4-cycle marine engines that specify the use of a NMMA FC or FC-W four cycle engine oil.**

Supreme 7000 Synthetic Plus™ Racing Oil SAE 20W-50 meets and exceeds the following specifications and manufacturers' requirements: MIL-PRE- 46152E, CID A-A-52039B, API Service Classification SM, Ford ,General Motors, Chrysler; specifications and JASO JIS K2215 specifications.

## TYPICAL PROPERTIES

|   |              |
|---|--------------|
| SAE Grade   | 20W-50       |
| Viscosity @ 40°C, cSt (ASTM D-445)                                  | 129.5-166.5  |
| Viscosity @ 100°C, cSt (ASTM D-445)                                 | 16.5-20.00   |
| Viscosity Index (ASTM D-2270)                                       | 140          |
| High Temperature/High Shear Viscosity 302°F/150°C, cP (ASTM D-4683) | 5.31         |
| Cold Cranking Viscosity (ASTM D-5293)@-15°C, cP                     | 3,506        |
| Mini Rotary Viscosity TP-1 @ -20°, cP (ASTM D-4683)                 | 23,400       |
| Scanning Brookfield Gelation Index @ -11°F/-24°C                    | 3.9          |
| Flash Point °F/°C (ASTM D-92)                                       | 400°/204.56° |
| Fire Point °F/°C (ASTM D-92)  | 505°/262.78° |
| Stable Pour Point °F/°C (FTM 7916 Method 203)                       | <-41°/<-42°  |
| Total Base Number (ASTM D-2896)                                     | 7.5          |
| Sulfated Ash Content % wt (ASTM D-874)                              | 0.9          |
| Orban Shear Stability (ASTM D-7109)                                 |              |
| % Loss @ 30 Passes  | 5            |
| % Loss @ 90 Passes  | 10.3         |
| Copper Strip Corrosion Test (ASTM D-130)                            | 1a           |
| NOACK Volatility %Evaporation Loss (ASTM D-5800)                    | 7.5%         |
| Foam Test (ASTM D-892)  |              |
| Sequence I  | 0/0          |
| Sequence II   | 0/0          |
| Sequence III  | 0/0          |
| Sequence IV   | 0/0          |
| High Temperature Foam Test (ASTM D6082 Option A)                    | 0/0          |
| MHT-4 TEOST (ASTM 6335)   |              |
| Deposit Weight, mg  | 23.8         |
| Engine Rusting Ball and Rust Test (ASTM D-6557)                     |              |
| Average Gray Value  | 133          |
| Zinc Content, ppm   | 1600-2000    |
| Phosphorous, ppm  | 1300-1900    |