



TECHNICAL DATA

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#708 SUPREME 7000 SYNTHETIC PLUS™ RACING OIL SAE 15W-40 API SM/CF

Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 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 high performance gasoline engines including those that contain flat tappet cams and are turbocharged or supercharged. Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 can also be used in diesel powered multi-valve fuel injected engines typically found in light- duty diesel passenger cars and tractor pulling applications.

Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 is blended from the finest quality severely hydrotreated polyalphaolefin (PAO) synthetic base fluids and severely raffinate hydroconverted Group II Plus available. This unique combination provides Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 with the following advantages:

1. **Superior Cold Weather Startability and Operating Characteristics** - This results in less friction and lubricant drag in the engine and instant lubrication during cold weather start up
2. **Superior Oxidative Stability**
3. **Excellent Resistance to Thermal Degradation**
4. **Excellent Low Volatility Characteristics** - This results in reduced oil consumption and increased protection against the formation of deposits
5. **Lower Pour Point and Borderline Pumping Temperature**
6. **A High Viscosity Index** - This results in minimum change in viscosity. The adequate viscosity for the proper lubrication of the engine is provided regardless of temperature.
7. **Excellent Film Strength** - This results in increased protection against wear.
8. **Compatibility with All Types of Seals**
9. **Extended Oil Drain Capability and Intervals**

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Blended into the para-synthetic base stocks is a highly advanced proprietary performance racing formula additive package and a highly shear stable viscosity index improver. This combination provides the Supreme 7000 Synthetic Plus Racing™ Oil SAE 15W-40 with the following performance benefits:

- 1. Extra zinc anti-wear additives to protect flat-tappet cams from excessive wear**
- 2. Excellent wear and deposit control protection**
- 3. Outstanding protection against the formation of high temperature deposits**
- 4. High detergency and dispersency to suppress the formation of deposits, sludge and varnish**
- 5. Reduced carbon build-up**
- 6. Active cleaning agents for increased and enhanced engine cleanliness**
- 7. Exceptional protection against the formation of coking deposits on turbochargers**
- 8. Exceptional protection against thermal breakdown during high engine oil operating temperature conditions**
- 9. Superior thermal and oxidative stability**
- 10. Rapid circulation and excellent pumpability**
- 11. Excellent low temperature flow characteristics and pumpability to provide rapid circulation and minimize wear during start-up**
- 12. Excellent resistance to thinning at high temperatures**
- 13. Excellent shear stability to resist viscosity shear down and breakdown**
- 14. 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**
- 15. Enhanced lubrication to maintain maximum horsepower and acceleration**
- 16. Superior low volatility characteristics**
- 17. Substantially reduced oil consumption**
- 18. Extra protection for hot running engines**
- 19. Extra protection for cold running engines in stop-and-go service**
- 20. Reduced oil ageing allowing for increased drain intervals**
- 21. A substantial reduction in ring and cylinder wear**
- 22. Reduced bearing wear and increased bearing life**
- 23. Excellent rust and bearing corrosion protection**
- 24. Increased engine cleanliness**

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- 25. Superior valve train-wear protection**
- 26. Excellent TBN retention and reserve for effective acid neutralization**
- 27. Excellent protection against acidic corrosion of vital engine components**
- 28. Excellent soot dispersancy for protection against soot overloading**
- 29. Excellent anti-foaming properties**
- 30. Excellent gasket and seal life**
- 31. Increased engine life**
- 32. Improved engine durability and reliability**

Further blended into these synthetic blend base fluids, the highly advanced proprietary performance additive package and shear stability viscosity index improver are two proven frictional modifiers, Micron Moly®, a liquid soluble type of 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 prevented from occurring. This prevention of metal-to-metal contact and reduction in wear results in:

- * Increased fuel economy**
- * A low coefficient of friction**
- * Significantly less bearing, ring, piston, cylinder and valve-train wear**
- * Increased engine efficiency**
- * Increased engine durability**
- * Increased engine life**
- * Less down-time**
- * Reduced maintenance costs**

Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 can be used in most types of 4-cycle air-cooled or water-cooled motorcycle and ATV engines. Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 is not recommended for use in those 4-cycle engine applications that specify the use of either a JASO MA or MB or NMMA FC or FC-W 4-cycle engine oils.

Supreme 7000 Synthetic Plus™ Racing Oil SAE 15W-40 meets and exceeds the following specifications and manufacturers' requirements: MIL-PRE- 46152E; CID A-A-52039B; A-A-52306A; API Service Classification SM/CF Ford; General Motors; Chrysler; specifications ; JASO JIS K2215 specifications; ACEA A3/B3; Mercedes MB 228.3; MB 228.5; MB 229.1; MB 229.51.

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TYPICAL PROPERTIES

SAE Grade	15W-40
Viscosity @ 40°C, Cst (ASTM D-445)	102-108
Viscosity @ 100°C, Cst (ASTM D-445)	14.00-16.00
Viscosity Index (ASTM D-2270)	154
High Temperature/High Shear Viscosity 302°F/150°C, cP (ASTM D-4683)	4.3
Cold Cranking Viscosity (ASTM D-5293) @-20°C, cP	5,700
Mini Rotary Viscosity TP-1 @ -20°, cP (ASTM D-4683)	20,500
Flash Point °F/°C (ASTM D-92)	440°/221°
Fire Point °F/°C (ASTM D-92)	490°/254°
Stable Pour Point °F/°C (FTM 7916 Method 203)	<-38°/<-39°
Total Base Number (ASTM D-2896)	10
Sulfated Ash Content % wt (ASTM D-874)	0.951
Orban Shear Stability (ASTM D-7109) % Loss @ 90 Passes	9.96
Copper Strip Corrosion Test (ASTM D-130)	1a
NOACK Volatility %Evaporation Loss (ASTM D-5800)	9.5%
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
Zinc Content, ppm	1600-2000
Phosphorous, ppm	1300-1900