



*“The First in Synthetics”*

**For High Horsepower Racing Engines**

#### **PRODUCT DESCRIPTION**

AMSOIL Synthetic Super Heavy Weight Racing Oil (AHR) is a high viscosity oil designed for high horsepower racing engines, typically supercharged and alcohol-burning or nitro-fueled, requiring a high viscosity oil to resist the thinning effects of fuel dilution.

AMSOIL Synthetic Super Heavy Weight Racing Oil is formulated specifically for wear protection and friction reduction in the extreme service conditions of racing. It has been proven on-track to bring down high engine oil sump temperatures by 20° F, which speaks directly to its ability to reduce friction, promote power and inhibit wear.

#### **MOTORCYCLE APPLICATIONS**

AMSOIL Synthetic Super Heavy Weight Racing Oil is formulated with a complete American Petroleum Institute (API) SJ/CD additive system. AMSOIL Synthetic Super Heavy Weight Racing Oil may be used in all engines for which API SJ/CD SAE 60 oils are specified.

AMSOIL Synthetic Super Heavy Weight Racing Oil is also formulated with a complete Japan Automobile Standards Association (JASO) MB additive system. AMSOIL Synthetic Super Heavy Weight Racing Oil may be used in motorcycles requiring JASO MB oils. Such engines include vintage and classic motorcycles, often equipped with air-cooled engines, and specifying straight grade SAE 60 oils.

#### **HEAT STABILITY**

AMSOIL Synthetic Super Heavy Weight Racing Oil IS HIGHLY RESISTANT TO THERMAL DEGRADATION AND OXIDATION. Even in long-term high temperature service, AMSOIL Synthetic Super Heavy Weight Racing Oil maintains its specified chemical and physical properties, forming no sludge, varnish, deposits or acids and maintaining its specified viscosity and ability to protect and lubricate engines.

## **SYNTHETIC SUPER HEAVY WEIGHT RACING OIL SAE 60**

**API SJ/CF  
JASO MB**

#### **OIL CONSUMPTION**

AMSOIL Synthetic Super Heavy Weight Racing Oil is highly resistant to evaporative losses, which keeps oil consumption rates low. Low rates of oil consumption allows oil to flow freely without significant “boil-off” thickening to ensure dependable engine lubrication and protection.

#### **CORROSION, RUST AND FOAM CONTROL**

AMSOIL Synthetic Super Heavy Weight Racing Oil seals out rust, neutralizes acids and resists foaming. Rust inhibition is especially important for engines subject to frequent short-trip operations or frequent periods of storage. Acid neutralization protects engines from damage caused by corrosive by-products of combustion. Foam resistance ensures protection against the metal-to-metal contact and wear that occurs with foamy oils.

#### **VISCOSITY RETENTION**

AMSOIL Synthetic Super Heavy Weight Racing Oil is shear stable, so the viscosity grade that’s installed in the engine is the viscosity grade that stays in the engine. That’s especially important for race engines, motorcycle engines and other engines subject to high temperature/high stress operations. Viscosity retention ensures the maintenance of a protective lubricant film between working metal parts, which prevents metal-to-metal contact and consequent failure or wear.

## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Synthetic Super Heavy Weight Racing Oil (AHR)

Society of Automotive Engineers (SAE) Viscosity Grade .....	60
Kinematic Viscosity @ 100°C, cSt (ASTM D-445) .....	22.7
Kinematic Viscosity @ 40 C, cSt (ASTM D-445) .....	209.8
Viscosity Index (ASTM D-2270) .....	132
Apparent Viscosity @-5°C, cP (ASTM D2602 Mod.) .....	3700
Pour Point, °C (F°)(ASTM D 97).....	-33 (-27)
Flash Point, °C (°F) (ASTM D 97) .....	234 (453)
Noack Volatility, % weight loss (DIN 51581).....	5.8
Four Ball Wear Test scar diameter in mm (ASTM D-4172: 40 kg, 150°C, 1200 rpm, 1 hr.).....	0.39

### Application

AMSOIL Synthetic Super Heavy Weight Racing Oil performs at a level surpassing the requirements of the following specifications and may be used in engines requiring an oil meeting these qualifications.

- API SJ/CF
- JASO MB

AMSOIL Synthetic Super Heavy Weight Racing Oil is not recommended for use in cold temperature applications.

### Mixing AMSOIL

AMSOIL Synthetic Super Heavy Weight Racing Oil may be mixed with petroleum-based oils or with other synthetic oils. However, a mixture of AMSOIL Synthetic Super Heavy Weight Racing Oil may not provide as much protection as unadulterated AMSOIL Synthetic Super Heavy Weight Racing Oil .

### New Vehicles Under Warranty

AMSOIL Synthetic Super Heavy Weight Racing Oil may be used in the engine of any vehicle, for which the engine manufacturer requires use of an SAE 60 oil.

### Service Life

Follow engine manufacturer's oil drain interval recommendations when using AMSOIL Synthetic Super Heavy Weight Racing Oil .

### AMSOIL Product Warranty

AMSOIL, INC. warrants that AMSOIL Synthetic Super Heavy Weight Racing Oil meets specifications as listed and warrants the product free of manufacturing defect. The liability of AMSOIL INC. shall be limited to lubricant replacement.

AMSOIL products and Dealership Information are available from:

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