

707 EXTREME V-TWIN SYNTHETIC PLUS RACING OIL SAE 20W-50

Extreme V-Twin is highly advanced, premium quality, multi-grade para-synthetic, high zinc containing, 4 stroke racing engine oil that is formulated to meet the lubrication demands of V-Twin engines.

Extreme V-Twin is blended from the finest quality, synthetic plus base oils, advanced proprietary additive system and highly shear stable viscosity index improver available which 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.
- 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 and minimized coking deposits on critical engine parts

WEAR PROTECTION

- Extra zinc anti-wear additives to protect the engine 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
- Excellent rust and bearing corrosion protection with Superior valve train-wear protection
- Excellent film strength - Provides increased protection against wear.
- Compatibility with all types of seals

Extreme V-Twin 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.

Extreme V-Twin 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 Extreme V-Twin in applications that specify JASO MA, MA-2 or MB oil can cause slippage and improper engagement of the clutch mechanisms.

Extreme V-Twin 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.

Extreme V-Twin meets and exceeds the following specifications and manufacturers' requirements: API Service Classification SM, Harley-Davidson® V-Twin 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)	400.2°/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 to 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