



TECHNICAL DATA

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110 MICRON MOLY® RACING OIL SAE 70

Micron Moly® Racing Oil is a superior quality, high zinc formula engine oil that is specially formulated to reduce friction and wear, increase engine efficiency and extend the engine life of high-performance gasoline engines including those that contain flat tappet cams and those engines that are turbocharged or supercharged. Micron Moly® Racing Oil is also designed for those engines that are designed to burn alcohol-based racing fuels.

Micron Moly® Racing Oil is blended from the highest quality solvent refined, severely hydrofinished high viscosity index 100% paraffin base stocks, and advanced performance racing formula additive package that provide the following performance benefits:

- **PERFORMANCE**
 - Exceptional protection against thermal breakdown during high engine oil operating temperatures.
 - Excellent resistance to oxidation with extra protection for hot running engines.
 - Substantially reduced oil consumption
 - Positive compression seal and excellent film strength
 - Excellent anti-foaming properties.
 - Excellent performance with nitromethane and alcohol racing fuels.
- **DEPOSIT PROTECTION**
 - Outstanding protection against the formation of high temperature deposits.
 - High detergency and dispersancy to suppress the formation of deposits sludge and varnish.
 - Increased engine cleanliness and engine life.
- **WEAR PROTECTION**
 - Extra zinc anti-wear additives to protect flat tappet cam engines and other highly stressed engine components from excessive wear.
 - High lubricity for substantial reduction in ring and cylinder wear.
 - Reduced bearing wear and increased bearing life.
 - Excellent rust and bearing corrosion protection.
 - Superior valve train-wear protection

Micron Moly® Racing Oil, 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.

Micron Moly® Racing Oil 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 Micron Moly® Racing Oil in applications that specify JASO MA, MA-2 or MB oil can cause slippage and improper engagement of the clutch mechanisms.

Micron Moly® Racing Oil is not recommended for use in 4-cycle marine engines that specify the use of a NMMA FC or FC-W four cycle engine oil.

Micron Moly® Racing Oil meets and exceeds the following specifications and manufacturers' requirements: MIL-PRE- 46152E, CID A-A-52039B, API Service Classification SM, Ford, GM, Chrysler.

TYPICAL PROPERTIES

SAE Grade	70
Viscosity @ 40°C (ASTM D445). cSt	414-506
Viscosity @ 100°C (ASTM D445), cSt	31.0-38.0
Viscosity Index (ASTM D2270)	100
High Temperature High Shear Viscosity @ 302°F/150°C (ASTM D4683), cP	4.0
Flash Point (ASTM D92), °F/°C	500°/260°
Fire Point °F/°C (ASTM D92), °F/°C	535°/279°
Pour Point °F/°C (ASTM D97), °F/°C	20°/-6.7°
Sulfated Ash Content (ASTM D874), % wt	1.0
Total Base Number (ASTM D2896)	7.5
Copper Strip Corrosion (ASTM D130)	1a
NOACK Volatility (ASTM D5800), %Evaporation Loss	10%
Foam Test (ASTM D892)	
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 D6557) Average Gray Value	133
Zinc Content, ppm	1800-2200
Phosphorus, ppm	1500-1900