
110 MICRON MOLY® RACING OIL SAE 30, 40 and 50

Micron Moly® Racing Oil Straight Grade is a superior quality straight grade 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 Straight Grade is also designed for those engines that are designed to burn alcohol based racing fuels.

Micron Moly® Racing Oil Straight Grade is blended from the highest quality solvent refined, severely hydro finished, high viscosity index, 100% paraffin base stocks and proprietary performance racing formula additive package to provide the following performance benefits:

- Outstanding protection against the formation of high temperature deposits.
- Exceptional protection against thermal breakdown during high engine oil operating temperatures.
- Extra zinc anti-wear additives to protect flat tappet cam engines and other highly stressed engine components from excessive wear.
- Extra protection for hot running engines.
- Substantially reduced oil consumption.
- Extra protection for cold running engines in stop-and-go service.
- High detergency and dispersancy to suppress the formation of deposits sludge and varnish.
- Reduced oil ageing allowing for increased drain intervals.
- High lubricity for substantial reduction in ring and cylinder wear.
- Reduced bearing wear and increased bearing life.
- Excellent rust and bearing corrosion protection.
- Increased engine cleanliness and engine life.
- Superior valve train-wear protection.
- A positive compression seal and excellent film strength.
- Excellent anti-foaming properties.
- Excellent performance with alcohol-based racing fuels.

Further blended into Micron Moly® Racing Oil Straight Grade are two proven frictional modifiers, Micron Moly®, a liquid soluble type of moly and Schaeffer Mfg's own proprietary additive Penetro®. Once plated, these frictional modifiers form a long lasting, slippery, tenacious lubricant film, which prevents metal-to-metal contact and damaging frictional wear which results in:

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

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

Micron Moly® Racing Oil Straight Grade 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 Straight Grade 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 Straight Grade 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.

TYPICAL PROPERTIES

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|---|-----------|------------|------------|
| SAE Grade | 30 | 40 | 50 |
| Viscosity @ 40° C, cSt (ASTM D-445) | 87.5-94.5 | 170-180 | 220-230 |
| Viscosity @ 100° C, cSt (ASTM D-445) | 10.5-12.0 | 14.00-15.5 | 18.00-19.5 |
| High Temperature High Shear Viscosity @ 302°F/150°C, cP (ASTM D-4683) | 3.5 | 4.0 | 4.0 |
| Viscosity Index (ASTM D-2270) | 102 | 100 | 102 |
| Flash Point °F/°C (ASTM D-92) | 455°/235° | 465°/241° | 500°/260° |
| Fire Point °F/°C (ASTM D-92) | 490°/254° | 500°/260° | 535°/279° |
| Pour Point °F/°C (ASTM D-97) | 0°/-18° | 10°/-12.2° | 20°/-6.7° |
| Sulfated Ash Content % WT (ASTM D-874) | 1.0 | 1.0 | 1.0 |
| Total Base Number (ASTM D-2896) | 7.5 | 7.5 | 7.5 |
| Copper Strip Corrosion (ASTM D-130) | 1a | 1a | 1a |
| NOACK Volatility %Evaporation Loss (ASTM D-5800) | 10% | 10% | 10% |
| Foam Test (ASTM D-892) | | | |
| Sequence I | 0/0 | 0/0 | 0/0 |
| Sequence II | 0/0 | 0/0 | 0/0 |
| Sequence III | 0/0 | 0/0 | 0/0 |
| Sequence IV | 0/0 | 0/0 | 0/0 |
| High Temperature Foam Test (ASTM D6082 Option A) | 0/0 | 0/0 | 0/0 |
| MHT-4 TEOST (ASTM 6335) | | | |
| Deposit Weight, mg | 23.8 | 23.8 | 23.8 |
| Engine Rusting Ball and Rust Test (ASTM D-6557) Average Gray Value | 133 | 133 | 133 |
| Zinc Content, ppm | 1400-1800 | 1400-1800 | 1400-1800 |
| Phosphorus, ppm | 1300-1700 | 1300-1700 | 1300-1700 |