



High Zinc Synthetic Blend Racing Oil

Purpose Built Performance

Champion® Racing Motor Oils are purpose built products designed for severe racing applications. These products contain Champion's proprietary TVS® (Thermal Viscosity Stabilizer), special lubricity modifiers, and a premium level of anti-wear additives which includes a high quantity of ZDDP. These additives are proven to meet the lubrication demands of competition engines, create a tough film strength, which controls wear and provides more horsepower and torque in Dynamometer testing.

Champion® Racing Oils are suitable for use in all competition engines especially those using flat tappet and/or roller cams operating at high RPMs and requiring high-pressure (stiff) valve springs. These products are offered in a popular range of multi-viscosity SAE grades and formulated to meet the demands of most of today's high performance race engines.

Features:

- Provides exceptional low coefficient of friction
- Offers film strength and viscosity stability at higher temperatures
- Formulated for the protection of flat tappet cams, roller cams and bearings in turbo and super-charged racing engines
- Increases high-temp oil pressure and compression
- Compatible with all racing fuels including methanol
- Provides upper cylinder anti-wear protection
- Reduces engine oil temperature
- Compatible with other petroleum and synthetic oils

| SAE | Typical Properties | | |
|------------------------|--------------------|-----------|-----------|
| | 10W-30 | 20W-50 | 10W-40 |
| Part # | 4104H | 4111H | 4080H |
| Color | Blue | Blue | Blue |
| Lbs./Gal. | 7.19 | 7.29 | 7.26 |
| Gravity | 0.864 | 0.876 | 0.881 |
| Viscosity @ 100°C, cSt | 11.0 | 19.0 | 14.8 |
| Anti-wear Elements | | | |
| Zn | 1600 ppm | 1600 ppm | 1600 ppm |
| Ca | 1900 ppm | 1900 ppm | 1900 ppm |
| Mo | 750 ppm | 750 ppm | 750 ppm |
| Phosphorous | 2000 ppm | 2000 ppm | 2000 ppm |
| Flash Pt., °C (°F) | 227 (440) | 232 (450) | 227 (440) |
| Pour Pt., °C (°F) | -37 (-34) | -29 (-20) | -37 (-34) |

Not recommended for radial piston racing engines.



Applications:

Use for lubrication of high-performance competition supercharged, turbocharged, injected, and naturally aspirated four-cycle engines using high octane gasoline or other exotic fuels (including methanol or nitromethane).