



# 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).