



Technical Data Sheet

Updated: 6/22/2022

HOT SHOT'S SECRET ADRENALINE R5 20W-50 FULL SYNTHETIC Ultimate Racing Oil

Product Overview

Adrenaline R5 20W-50 was formulated for the toughest applications in racing. The formulas are based on 100% pure poly- α -olefin (PAO) Group IV synthetic oil that requires a very small amount of viscosity improvers to meet the weight specifications. The infusion of our patented FR3 Nano Technology and high zinc additive package extends the performance and anti-wear protection to levels unmatched by any other race oil on the market. The result is an oil that has increased oxidation and thermal stability, deposit and sludge prevention, reduced foaming and oil breakdown, high wear resistance and most importantly, horsepower gains. In dyno testing, Adrenaline R Series Oils have proven performance gains of over 3.1% compared to the leading national brand race oil.

Applications and Uses

Adrenaline R5 20W-50 is recommended for any demanding racing environment where a thicker viscosity is needed. The Adrenaline R Series Oils have proven successful in numerous Indy Cars, GTP Lights, SCCA Endurance Cars, Pro Stock and Pro Modified Drag Cars, High Horsepower Diesel Drag and Pulling Trucks.

Not intended for vehicles with DPF, catalytic converters, EGR or other emission equipment as damage to these systems could occur.

Benefits

- Improves horsepower up to 3% over the leading national brand
- Extreme Pressure additives
- Zinc Levels over 2500 ppm
- Antimony levels over 400 ppm
- Increases boundary layer protection
- Increases film strength
- Improves oxidation stability
- Improves aeration control
- Reduces operating temperature
- Reduces wear
- Reduces shearing
- Reduces friction
- Reduces deposit formation
- Reduces noise and vibration
- Lowers oil consumption
- Anti-rust protection
- Extends injector, turbo and engine life

Let Adrenaline R5 20W-50 take you to the Winner's Circle



Packaging

Available in:

- 1 quart bottle
- 1 gallon jug
- 5 gallon bucket
- 55 gallon drum

Typical Properties

Property	Test Method	Result
Total base number, mg/g	D-2896	7.28
Viscosity at 40°C, cSt	D-445	134.1
Viscosity at 100°C, cSt	D-445	19.4
Minimum flash point, °C (°F)	D-92	232°C (450°F)
Stable pour point, °C (°F)	D-97	-33°C (-27°F)

NOTE: If you run your engine with oil temperatures lower than 135°F, please consult the Hot Shot's Secret Technical Support Team to assist you in your Adrenaline R Series purchasing decision. Engine oils are rated for normal operating temperatures of 212°F. Due to the nature of synthetic oils, it may be necessary to choose the next higher grade since synthetics act similar to a lower viscosity oil at lower temperatures.

The Safety Data Sheet is available at
<http://www.hotshotsecret.com/print-documents/>.