



PRODUCT DATA SHEET

LUBRICANTS

VP CLASSIC/TRADITIONAL/NITRO NON-SYNTHETIC RACING OILS

VP Classic Non-Synthetic Racing Oils are formulated using high quality mineral base stocks and a select balance of additives to deliver superior film strength, shear stability and wettability of critical engine parts while running or idle. They contain enhanced levels of ZDDP and an anti-foam additive for added wear protection, as well as, a strong detergent dispersant package to minimize engine deposits and oil thickening.

VP Classic Non-Synthetic Racing Oils exhibit excellent oxidative stability and wear protection for flat tappet and roller cams. The oils are formulated to exceed the stringent requirements of highly stressed, high performance racing and street engines and provide outstanding shock load and high temperature protection to highly stressed engine parts. In addition, the oils provide an aggressive layer of film protection that reduces friction, lowers operating temperature, increases horsepower and provides outstanding wear protection. Do NOT mix oil additive supplements with this product. It is not designed to be used with catalytic converters.

VP Classic Non-Synthetic Racing Oil SAE 30 is suitable for use in most air-cooled, naturally aspirated, turbocharged or supercharged gasoline engines in high performance racing and street applications. They are designed to protect older style push rods and both flat tappet or roller cams.

VP Traditional Non-Synthetic Racing Oil SAE 50 is designed for use in high performance competition engines including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 50 is recommended.

VP Traditional Non-Synthetic Racing Oil SAE 60 is designed for use in high performance competition engines under extreme load, torque and high temperature conditions including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 60 is recommended. In addition, the SAE 60 is well suited for the needs of the early classic motorcycle engines including Harley Davidson® (Flathead®, Panhead®, Knucklehead® and Shovelhead®) and others.

VP Nitro Hi Performance Racing Oil SAE 70 is designed for use in high performance competition engines under extreme load, torque and high temperature conditions including racing, drag racing and tractor pulling fueled by gasoline, diesel, alcohol or nitromethane where a SAE 70 is recommended. The high viscosity oil allows for excessive blow-by into the oil while maintaining critical film protection to engine parts.

VP Classic Non-Synthetic Racing Oil SAE 10W-30 and 20W-50 are multi-viscosity oils designed for turbocharged and non-turbocharged gasoline race and street engines (without catalytic converter) including dirt, mud, drag and classic car applications where a SAE 10W-30 or 20W-50 is recommended.



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TYPICAL PROPERTIES

VP Classic/Traditional/Nitro Non-Synthetic Racing Oils

| Product Number | 2681 (QT.) | 2685 (QT.) | 2687 (QT.) | 2689 (QT.) | 2678 (QT.) | 2691 (QT.) | Test Method |
|---------------------------------|---------------|----------------|---------------|---------------|------------------|------------------|-------------|
| SAE Grade | 30 | 50 | 60 | 70 | 10W-30 | 20W-50 | N/A |
| Viscosity@40°C, cSt | 82 | 208 | 269 | 414 | 63 | 164 | ASTM D445 |
| Viscosity@100°C, cSt | 11.0 | 19.7 | 23.1 | 30.1 | 10.1 | 18.5 | ASTM D7042 |
| Viscosity Index (VI) | 121 | 109 | 106 | 102 | 146 | 127 | Calculated |
| Specific Gravity @ 60°F | 0.88 | 0.89 | 0.90 | 0.90 | 0.88 | 0.89 | Calculated |
| API Gravity | 28.8 | 26.8 | 26.2 | 25.4 | 29.6 | 27.6 | Calculated |
| Cold Cranking Simulation, cP | N/A | N/A | N/A | N/A | <7000 (-25°C) | <9500 (-15°C) | ASTM D5293 |
| HTHS @ 150°C, cP | >2.9 | >3.7 | >3.7 | >3.7 | >2.9 | >3.7 | ASTM D7109 |
| Flash Point, °C | >200 | >230 | >240 | >240 | >170 | >200 | ASTM D92 |
| Pour Point, °C | <-10 | <-10 | <-10 | <-5 | <-30 | <-20 | ASTM D97 |
| Color | L4.0 | L4.5 | L5.0 | L6.0 | L4.0 | L5.0 | N/A |
| TBN, mgKOH/g | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | ASTM D2896 |
| Sulfated Ash, %wt | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | Calculated |
| Zinc, ppm | 1730 | 1710 | 1730 | 1720 | 1740 | 1720 | ASTM D5185 |
| Phosphorus, ppm | 2145 | 2125 | 2145 | 2140 | 2160 | 2130 | ASTM D5185 |
| Molybdenum, ppm | 800 | 800 | 800 | 800 | 800 | 800 | ASTM D5185 |

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS).