



## PRODUCT DATA SHEET

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# 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	10	10	10	10	10	10	ASTM D2896
Sulfated Ash, %wt	1.2	1.2	1.2	1.2	1.2	1.2	Calculated
Zinc, ppm	1720	1715	1720	1715	1730	1710	ASTM D5185
Phosphorus, ppm	2135	2125	2140	2130	2145	2120	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).



# PRODUCT DATA SHEET

## LUBRICANTS

### VP HI-PERFORMANCE MOTOR OILS

**VP HI-Performance Motor Oils** are formulated using high quality synthetic blend base stocks and cutting-edge additive technology specifically designed for small block race engines and classic, historic, vintage, hot rod, street rod, muscle and other enthusiast applications. It is not for drag racing or professional racing applications. Do NOT mix oil additive supplements with this product. It is not designed to be used with catalytic converters.

**VP HI-Performance Motor Oils** exhibit excellent oxidative stability and wear protection, utilizing a unique inhibitor/anti-wear package based on ZDDP (Zinc Dialkyl Dithiophosphate). The **VP HI-Performance Motor Oils** provide excellent protection to flat tappet and roller cams and meets the performance requirements of API SN.

### TYPICAL PROPERTIES

VP HI-Performance Motor Oils				
Product Number	2955 (QT.)	2965 (QT.)	2975 (QT.)	Test Method
SAE Grade	10W-30	10W-40	20W-50	N/A
Viscosity@40°C, cSt	58	85	123	ASTM D445
Viscosity@100°C, cSt	9.6	14.4	18	ASTM D7042
Viscosity Index (VI)	150	177	163	Calculated
Specific Gravity @ 60°F	0.86	0.86	0.86	Calculated
API Gravity	33.6	33.5	32.8	Calculated
Cold Cranking Simulation, cP	4800 (-25°C)	5075 (-25°C)	3240 (-15°C)	ASTM D5293
HTHS @ 150°C, cP	3.1	4.0	5.5	ASTM D7109
Flash Point, °C	> 200	> 200	> 200	ASTM D92
Pour Point, °C	< -30	< -25	< -30	ASTM D97
Color	Orange	Orange	Orange	N/A
TBN, mgKOH/g	7.8	7.8	7.8	ASTM D2896
Sulfated Ash, %wt	0.9	0.9	0.9	Calculated
Zinc, ppm	1315	1315	1315	ASTM 5185
Phosphorus, ppm	1200	1200	1200	ASTM 5185

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.

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Check out the collection of oils, fluids, lubricants we offer.