# **TECHNICAL DATA SHEET**



## **HIGH PERFORMANCE FORK OIL**

High Performance Fork Oil is formulated for use in all suspension forks including those using cartridge and dual chamber systems. Through the use of carefully selected high viscosity base oils, stiction and fade are reduced providing smooth operation over a wide temperature range. High Performance Fork Oil is available in six viscosity grades: 5W, 7W, 10W, 15W, 20W and 30W.

High Performance Fork Oil provides exceptional viscosity stability, anti-friction and antifoam properties for use in all high-performance suspension systems, including cartridge forks. It is recommended for all OEM factory fill replacements.



### **APPLICATIONS**

- Recommended for all standard and cartridge type motorcycle fork suspensions on street and off-road motorcycles, ATVs and all
  other high-performance applications
- · Direct replacement of original OEM fill
- Follow the fork manufacturer's recommendation for grade selection. For fine tuning damping characteristics all grades of High Performance Fork Oil may be blended with each other

### **PRODUCT FEATURES**

- Superior anti-wear
- Minimized friction
- Viscosity stability
- Anti-foam

#### **BENEFITS**

- Unique Bel-Ray anti-wear chemistry greatly reduces stiction, friction and wear for extended suspension tubes and sliders life and more responsive and reliable performance
- Bel-Ray friction modifiers increase lubricity for minimum "stiction" and for more responsive and better handling suspension over irregular terrain.
- Viscosity stability provides long lasting and consistent performance and response, even as the suspension heats up.
- · Eliminates foaming and air entrainment for consistent damping.

| Typical Physical Properties |                |           |           |           |           |           |           |
|-----------------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Property                    | Test<br>Method | 5W        | 7W        | 10W       | 15W       | 20W       | 30W       |
| Density@15°C, g/cm3         | ASTM D4052     | 0.8524    | 0.8564    | 0.8567    | 0.8720    | 0.8751    | 0.8876    |
| Viscosity @ 40°C, cSt       | ASTM D445      | 19.1      | 32.4      | 34.9      | 53.1      | 73.8      | 107       |
| Viscosity @ 100°C, cSt      | ASTM D445      | 4.03      | 5.71      | 6.02      | 7.67      | 9.43      | 12.0      |
| Viscosity Index             | ASTM D2270     | 108       | 118       | 118       | 109       | 109       | 104       |
| Flash Point, °C (°F)        | ASTM D92       | 197 (386) | 222 (432) | 230 (446) | 237 (458) | 249 (480) | 249 (480) |
| Pour Point, °C (°F)         | ASTM D97       | -45 (-49) | -42 (-44) | -39 (-38) | -36 (-33) | -27 (-17) | -21 (6)   |

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