

H1-R Racing 100% Synthetic Ester 2T Engine Oil

PRODUCT DESCRIPTION

Bel-Ray® H1-R Racing 100% Synthetic Ester 2T Engine Oil is the ultimate 2-stroke racing engine oil formulated for all power valve 2-stroke engines. Advanced 100% synthetic ester base oils cling to metal, preventing wear in all 2-stroke applications. Clean burning to prevent carbon build-up in combustion chambers and power valve mechanisms. H1-R Racing 100% Synthetic Ester 2T Engine Oil keeps engines clean and responsive even under the most severe racing conditions.

H1-R Racing 100% Synthetic Ester 2T Engine Oil's highly polar synthetic ester base oils cling to the metal for superior wear protection. It minimizes smoke, spark plug fouling and gum and varnish build-ups which typically cause ring sticking. H 1-R Racing Synthetic Ester 2T Engine Oil will eliminate gum and varnish deposits in older engines for more responsive and powerful performance.



H1-R Racing 100% Synthetic Ester 2T Engine Oil is not recommended for methanol base fuel.

PRODUCT FEATURES

- Superior anti-wear
- Superior deposit control
- Superior combustibility
- Synthetic ester base oils

BENEFITS

- Extends bearing life. Reduces cylinder and ring wear.
- Reduces ring sticking. Reduces deposits on the variable height exhaust valve (power valve) for superior throttle response.
- Clean burning for low smoke. Eliminates spark plug fouling.
- Exceptional lubricity. Highly polar base oils cling to metal surfaces. Resists wiping action of rings in the cylinder for minimal scuffing and internal friction wear.

APPLICATIONS

- For premix applications only. Use at ratios recommended by the engine manufacturer, typically 32:1 for engines up to 125cc and 40:1 for engines above 125cc
- Engine oil for small engines in racing karts, go-karts, remote control (RC) equipment
- Suitable for air-cooled or liquid-cooled 2-stroke engines
- Use wherever a high performance synthetic premix lubricant is needed

DISTRIBUTED BY:

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TECHNICAL DATA SHEET



MIXING INSTRUCTIONS

This product is formulated for premix ratios ranging between 30:1 and 50:1 for motorcycle use. Follow the recommendations of the engine manufacturer. 40:1 is recommended for optimum performance in motorcycle racing applications.

Fuel:Oil Mix Ratio						
Fuel:Oil	1 gallon	2 gallons	5 gallons	1 liter	5 liters	10 liters
20:1	6.4 oz	12.8 oz	32 oz	50 mL	250 mL	500 mL
25:1	5.1 oz	10.24 oz	25.6 oz	40 mL	200 mL	400 mL
28:1	4.5 oz	9.14 oz	22.85 oz	36 mL	178 mL	357 mL
32:1	4 oz	8 oz	20 oz	31 mL	156 mL	312 mL
40:1	3 oz	6.4 oz	16 oz	25 mL	125 mL	250 mL
45:1	2.8 oz	5.68 oz	14.22 oz	22 mL	111 mL	222 mL
50:1	2.6 oz	5.12 oz	12.8 oz	20 mL	100 mL	200 mL

PRODUCT DATA

Typical Properties		
Property	Test Method	
Density @ 15°C (g/mL)	ASTM D4052	0.9507
Viscosity @ 40°C (cSt)	ASTM D445	124
Viscosity @ 100°C (cSt)	ASTM D445	12.69
Viscosity Index	ASTM D2270	93
Flash Point, °C (°F)	ASTM D92	241 (466)
Pour Point, °C (°F)	ASTM D97	-42 (-43)
Color		Red-Orange

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com