



Monarch Motorcycle SuperSyn

Full Synthetic with PAO – 4 Stroke V-twin

Monarch SuperSyn is a premium quality engine oil formulated with full synthetic oils including PAO's (Poly-Alpha-Olefins) and the most advanced additive technology; specifically designed to meet the extreme performance demands required by today's 4 stroke engines. It is designed to increase engine performance, to reduce wear and corrosion, and to allow extended drain intervals. It is suitable for air-cooled and liquid-cooled 4 stroke engines including V-twin engines and is compatible with wet-clutch transmissions and provides superior gearshift quality.

Monarch SuperSyn has excellent cold start capabilities as well as outstanding high temperature performance. It also provides protection against thermal and mechanical breakdown and superb protection of exhaust system components.

Product Features:

- Extreme wear protection
- Corrosion resistance
- Extended drain intervals

Customer Benefits:

- Excellent protection in 4 stroke engines
- Protection against thermal breakdown
- Protection of exhaust systems

Applications:

- For use in 4 stroke engines including V-twin. Compatible with wet-clutch transmissions.

Specifications	Monarch Motorcycle SuperSyn 15W50
JASO MA-2	✓



Typical Properties

Monarch Motorcycle SuperSyn

Product Number	197	198	Test Method
Viscosity Grade	15W-50	10W-40	-
Viscosity@ 40°C, cSt	126.74	87.37	ASTMD445
Viscosity@100°C, cSt	18.44	13.11	ASTM7042
Viscosity Index (VI)	162	150	-
Zinc (ppm)	1300-1500	1300-1500	-
Calcium (ppm)	2300-2600	2300-2600	-
Phosphorous (ppm)	<1200	<1200	-
TBN (mg KOH/g)	8.0	8.0	-
Flash Point °F(°C)	460 (238)	460 (238)	ASTM D92
Volatility (NOACK %)	8.70	8.70	-
CCS @-20°C, cPs	3500	-	ASTM D 5293
CCS @ -25°C, cPs	-	5200	ASTM D 5293

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) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:

