



V-Twin Synthetic Engine Oil

PRODUCT DESCRIPTION

Bel-Ray® V-Twin Synthetic Engine Oil is a premium full synthetic motor oil for all large displacement V-Twin engines. These multi-graded synthetic engine oils are ideal for all-season use in engines requiring a multi-viscosity or straight grade SAE 50 motor oil. Unique anti-wear additives reduce valve-train wear, piston and ring scuffing and bearing wear. Outstanding oxidation, shear and temperature stability ensure the optimum level of protection at the extreme temperatures that can be generated in V-Twin engines. Meets API SP standards and is JASO MA2 qualified.



PRODUCT FEATURES and BENEFITS

- Maximum anti-wear performance providing enhanced wear protection beyond API SP requirements
- Superior deposit control maintains engine cleanliness by minimizing sludge and varnish, helping extend engine life while maintaining engine power and efficiency
- Excellent low temperature performance for cold starts and operating environments/conditions. V-Twin 10W-50 will provide enhanced cold weather and start-up protection due to better cold flow properties.
- Improved oil oxidation stability for severe high temperature conditions common for motorcycles engines
- Enhanced frictional properties provide superior wet clutch performance for smooth shifting
- Formulated with industry leading extreme gear wear protection for severe duty cycles and loads
- Multi-functional oil that can be used to lubricate the engine, clutch, and gears

APPLICATIONS

Bel-Ray V-Twin Synthetic Engine Oil is recommended for use in all on-road or off-road V-Twin engines, including turbo- and super-charged engines. Recommended for air-cooled or liquid-cooled motorcycle 4-stroke engines with or without wet clutches requiring an oil meeting the API SG/SH/SJ/SL/SM/SN/SP standards, or the use of a JASO MA/MA2 qualified oil. Suitable for use in Big Twin transmissions and primary chain cases.

SPECIFICATIONS and APPROVALS

	10W-50	20W-50
API SP*	•	•
JASO T 903: MA2 2023	•	•

X - Formally licensed / registered

• - Recommended for use / meets requirements

*Backwards compatible with prior requirements

DISTRIBUTED BY:
 Calumet Branded Products, LLC
 1060 N Capitol Ave
 Suite 6-401
 Indianapolis, IN 46204
 Technical Services: 317-328-5660
 www.belray.com

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PRODUCT DATA

Typical Properties			
Property	Test Method	10W-50	20W-50
Viscosity @ 40°C, cSt	ASTM D445	124.10	142.40
Viscosity @ 100°C, cSt	ASTM D445	17.52	19.26
Viscosity Index	ASTM D2270	156	154
Cold Crank Simulator, cP	ASTM D5293	5862 @ -25°C	4104 @ -15°C
Pour Point, °C (°F)	ASTM D97	-36 (-33)	-36 (-33)
Flash Point, °C (°F)	ASTM D92	249 (480)	249 (480)
Density @ 15°C, g/mL	ASTM D4052	0.852	0.8487

HEALTH and SAFETY

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