



# SAE 20W-50 Motorcycle Engine Oil

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WARCO Synthetic Blend 4T SAE 20W-50 4-Cycle Motorcycle Engine Oil is designed specifically for high-temperature, high RPM, 4-stroke engines used in on and off-road motorcycles, ATVs and similar vehicles. It is a premium quality multi-grade engine oil designed with high-tech, low friction performance additives that deliver advanced low temperature fluidity to ensure easy cranking and startup protection. It provides outstanding anti-wear protection, exceptional control and resistance of performance robbing sludge and varnish deposits and provides superior frictional characteristics for maximum power transfer, smooth shifting and superb wet clutch protection even under the most severe riding conditions.

WARCO Synthetic Blend 4T SAE 20W-50 4-Cycle Motorcycle Engine Oil meets or exceeds API SL service classification and is compatible with all prior API classifications. WARCO Synthetic Blend 4T SAE 20W-50 4-Cycle Motorcycle Engine Oil has been field tested to be comparable to most American, Asian and European manufacturers' standards including JASO MA/MA2 many other OEM's specifications where a synthetic blend API SL motorcycle engine oil is recommended.

## Benefits and Applications

- Excellent protection for air cooled engines
- For use in on / off-road 4-stroke motorcycles and ATVs
- Resists breakdown in the most severe engine environments
- Optimum protection over a wide operating temperature
- Superior wet clutch protection

## Typical Characteristic 20W-50 Motorcycle Engine Oil

SAE GRADE		20W-50
API Service		SL
API Gravity	ASTM D287	29.7
Flash Point, COC °C/°F	ASTM D92	206 / 402.8
Pour Point, °C/°F	ASTM D97	-30 / -22
Viscosity @ 40°C, cSt	ASTM D445	156.9
Viscosity @ 100°C, cSt	ASTM D445	18.6
Viscosity Index	ASTM D2270	133
CCS, cP @ (°C)	ASTM D5293	9500 @-15
Total Base No. TBN	ASTM D2896	7.9

Test Method ASTM - Typical test data are average values only.  
Minor variations, which do not affect performance, may occur.

API SL  
JASO MA / MA2



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HANDLING AND SAFETY INFORMATION - Refer to WARCO (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.