



PRODUCT DATA SHEET

MOTORCYCLE ENGINE OIL

SAE 10W-40 Fully Synthetic

API SN | JASO MA2

M10W40F

Rev 1
21 June 2026

The everyday grade for 4-stroke motorcycles. Know your oil.

WHAT IT IS

TWIIN 4T SAE 10W-40 is a fully synthetic motorcycle engine oil built on a high-performance MPAO and ester base stock blend. The JASO MA2 rating — the highest JASO friction classification — confirms this oil protects wet-clutch systems from slipping. No friction modifiers. Honest performance.

APPLICATION GUIDE

Which bikes	4-stroke motorcycles with wet-clutch gearboxes. The most widely specified grade for standard motorcycles operating in Southeast Asian conditions. Covers the majority of 150cc–650cc single and parallel-twin engines.
Why 10W-40	"10W" ensures fast cold-start flow; "40" delivers stable film thickness at normal operating temperatures. The right balance for everyday riding in tropical climates.
Drain interval	Follow your manufacturer's recommendation. Fully synthetic formulations are capable of extended drain intervals under normal conditions — consult your owner's manual.

FEATURES AND BENEFITS

Wet-clutch compatibility	JASO MA2 certification — the highest wet-clutch friction standard — ensures clutch plates engage cleanly and do not slip under hard acceleration.
Cold-start protection	Ester base stocks adhere to metal surfaces during cold starts and extended stops, providing immediate film coverage before oil pressure builds.
Thermal stability	MPAO base oil maintains its viscosity grade across the wide temperature swings common in daily urban and highway riding.
Shear resistance	Ester base oil is shear-stable under the high mechanical stress of motorcycle gearboxes — viscosity does not degrade between drain intervals.
Clean engine	Detergent and dispersant additives prevent sludge, varnish, and combustion deposits from accumulating on internal engine surfaces.

SPECIFICATIONS

TWIIN recommends this product where the following OEM specifications apply:

API Service Category	API SN
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JASO Standard	JASO MA2
SAE Viscosity Grade	10W-40
Packaging	1 litre flexible pouch — 80–90% less plastic than a traditional rigid bottle

TYPICAL PHYSICAL CHARACTERISTICS

Typical values based on manufacturer test data. Not a product specification. Batch values may vary within grade limits.

Property	Test Method	Typical Value
Specific Gravity (60/60°F, g/mL)	ASTM D1298	0.85 – 0.90
Flash Point, COC (°C)	ASTM D92	>200°C (COC, ASTM D92)
Kinematic Viscosity @ 40°C (cSt)	ASTM D445	97
Kinematic Viscosity @ 100°C (cSt)	ASTM D445	14.3
Viscosity Index	ASTM D2270	151
Pour Point (°C)	ASTM D97	-33

Safety Data Sheet: SDS No. M10W40F is available at twiin-oil.com. Always read the SDS before handling this product.

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