



PRODUCT DATA SHEET

SCOOTER ENGINE OIL

SAE 10W-40 Fully Synthetic

API SN | JASO MB

S10W40F

Rev 1
21 June 2026

Engineered for automatic and CVT scooters. Nothing to hide.

WHAT IT IS

TWIIN 4T SAE 10W-40 is a fully synthetic scooter engine oil built on a high-performance MPAO and ester base stock blend. The JASO MB rating means it is formulated specifically for scooters where the engine oil does not contact the clutch — friction modifiers are permitted, delivering lower internal friction and better fuel economy without risking clutch slip.

APPLICATION GUIDE

Which bikes	4-stroke scooters and mopeds with automatic or CVT transmission. Do not use in wet-clutch motorcycles — use M10W40F instead.
Why 10W-40	The "10W" cold-viscosity rating ensures fast oil flow on cold starts, reducing dry-start wear. The "40" grade maintains adequate film thickness at normal operating temperatures in tropical and sub-tropical climates.
Drain interval	Follow your manufacturer's recommendation. Fully synthetic formulations are capable of extended drain intervals under normal operating conditions — consult your owner's manual.

FEATURES AND BENEFITS

Cold-start protection	Ester base stocks adhere to metal surfaces even after extended periods of inactivity, providing immediate film coverage on startup before pressure builds.
Thermal stability	MPAO base oil maintains viscosity grade across a wide temperature range, resisting thinning at high temperatures and thickening in the cold.
Oxidation resistance	Fully synthetic formulation resists breakdown from heat and combustion by-products, extending useful oil life.
Foam control	Advanced additive package suppresses foam formation, maintaining consistent oil pressure and reducing heat build-up.
Clean engine	Detergent and dispersant additives keep combustion deposits in suspension, preventing sludge and varnish formation.

SPECIFICATIONS

TWIIN recommends this product where the following OEM specifications apply:

API Service Category	API SN
-----------------------------	--------

JASO Standard	JASO MB
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. S10W40F is available at twiin-oil.com. Always read the SDS before handling this product.

The information in this Product Data Sheet is based on data believed to be reliable at the date of issue and is provided in good faith. Typical physical characteristics are representative values only and should not be interpreted as product specifications. TWIIN PTE. LTD. accepts no liability for results arising from use of this product in conditions or applications not covered by this document. Users are responsible for determining suitability for their specific application and for compliance with all applicable laws and regulations. No warranty, express or implied, is made as to merchantability or fitness for purpose.