

TECHNICAL DATA SHEET

ECO MATIC 20W-40 SN/4T

Synthetic 4-Stroke Motorcycle Engine Oil

API SN • JASO MA2

PRODUCT DESCRIPTION

ECO MATIC 20W-40 SN/4T is a high-quality synthetic motorcycle engine oil meeting API SN and JASO MA2 — the highest 4-stroke performance tiers. Engineered for motorcycles that demand superior engine cleanliness, clutch durability, and extended protection, it combines the thermal robustness of a 20W-40 viscosity grade with the superior additive package of the API SN category. Ideal for air-cooled engines in hot, demanding operating environments.

APPLICATIONS

Recommended for modern 4-stroke motorcycles — sport, commuter, and utility — requiring API SN / JASO MA2 grade lubricants with 20W-40 viscosity. Fully compatible with wet-clutch and integrated transmission systems. Available in 0.8L, 1L, 4L, and 200L pack sizes.

PERFORMANCE STANDARDS

API SN • JASO MA2

FEATURES & BENEFITS

- Meets API SN and JASO MA2 — superior protection for modern 4-stroke motorcycles
- Excellent engine cleanliness — resists high-temperature deposits and varnish
- Outstanding clutch compatibility — JASO MA2 certified friction performance
- Robust thermal stability suited to air-cooled engines in tropical heat
- Strong anti-wear film for cylinder liners, pistons, and valve train components
- Good oxidation stability for extended oil life between drain intervals

TYPICAL PROPERTIES

TEST PARAMETER	TEST METHOD	TYPICAL VALUE
Appearance	Visual	Clear, Amber Liquid
SAE Viscosity Grade	—	20W-40
API Service Classification	—	SN
JASO Standard	—	MA2
Kinematic Viscosity @ 40°C (cSt)	ASTM D445	115
Kinematic Viscosity @ 100°C (cSt)	ASTM D445	16.0
Viscosity Index	ASTM D2270	135 min
Flash Point, COC (°C)	ASTM D92	225 min
Pour Point (°C)	ASTM D97	-25 max
Total Base Number (mg KOH/g)	ASTM D2896	8.0 min
Density @ 15°C (kg/L)	ASTM D4052	0.872
HTHS Viscosity @ 150°C (mPa·s)	ASTM D4683	3.5 min
JASO DKA Clutch Friction Characteristics	JASO T903	Pass MA2

STORAGE & HANDLING

Store the product indoors and avoid direct sunlight or heat. Keep containers tightly closed when not in use. Avoid contact with skin and eyes. After skin contact, wash thoroughly with soap and water. Keep out of reach of children.

DISCLAIMER: The information provided in this Technical Data Sheet is based on standard laboratory tests and is indicative only. Synergy Lubricant and Chemical makes no warranty regarding the accuracy of this data. Typical values may vary within acceptable production tolerances.

Revision: 01 | Date: March 2026