

MAK 4T STAR 20W-40

Superior performance engine oil for 4-stroke motorcycles for riding comfort

MAK 4T Star 20W-40 is a petrol engine oil blended from highly refined high viscosity index Group II plus base stocks fortified with carefully selected additive chemistry. It is specially formulated for 4-stroke motorcycle engines to perform in harsh operating conditions. It assures outstanding protection against oil oxidation/ degradation, oil thickening and corrosion. This oil has a balanced friction characteristics for smooth operation of wet clutches to provide better riding comfort. MAK 4T Star 20W-40 provides the highest level of protection to relatively older engines operating in dusty environment and uneven road conditions in rural areas.

Applications:

MAK 4T Star 20W-40 is recommended for 4-stroke motorcycle.

Performance/ Benefits:

Resistance to Oxidation and Thermal Degradation – enhanced high temperature stability offers superior protection for the engine oil at high temperature and in heavy load conditions. Exhibits superior control of sludge build-up and deposits formation.

Enhanced Engine Life – provides improved wear protection to critical components of engines over wide range of operating temperature and severe working conditions.

Excellent Rust Protection – offers excellent rust protection to engines. Reduces maintenance cost and increases system reliability.

Enhanced Friction Control – ensures reduced wear of engine parts, smoother clutch engagement and gear changes.

Engine Cleanliness – high performance additives in the oil provides improved engine cleanliness and ensures consistent high performance of the engines.

Easy Engine Start-Up – better low temperature flowability and viscosity control ensure easy engine start-up and minimal start-up wear.

Performance Level/ Specification:

Meets the performance benchmarks of

- API SG
- JASO MA

Typical Physico-Chemical Data: MAK 4T Star 20W-40

Characteristics	Method	Value
SAE Grade	SAE J300	20W-40
Color	Visual	Brown
Appearance	Visual	Clear
Density @29.5°C, g/cc	ASTM D1298	0.857
Kinematic Viscosity @40°C, cSt	ASTM D445	106.50
Kinematic Viscosity @100°C, cSt	ASTM D445	13.50
Viscosity Index	ASTM D2270	125
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Flash Point, °C	ASTM D92	230
Pour Point, °C	ASTM D97	-21
Foaming Tendency	ASTM D892	
a) Sequence I		5 / Nil
b) Sequence II		10 / Nil
c) Sequence III		5 / Nil

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.