

# Balmerol Superstar SAE 10W-30 API SL / JASO MB

## Four Stroke Motorcycle Engine Oil

### Product Data Sheet

#### Product Description

Balmerol Superstar SAE 10W-30 API SL/ JASO MB is a high performance conventional four-stroke motorcycle engine oil primarily intended for general use in all types of four-stroke motorcycles and engines that designed to meet the latest motorcycle manufacturers warranty requirements.

Balmerol Superstar SAE 10W-30 API SL/ JASO MB powered by the WOW technology and provides several benefits : WOW technology offers extra ECG, superior engine cleanliness, outstanding clutch performance, smooth gear shift for a smooth ride, fast pick up and maximum engine power and excellent engine protection.

#### Applications / Recommendations

Balmerol Superstar SAE 10W-30 API SL/ JASO MB recommended for use in bikes of HONDA Beat, Scoopy, Vario, YAMAHA Mio, Xeon GT, Hero Motocorp, TVS, and other manufacturers where SAE 10W-30 oils are recommended. Recommended by applications research Laboratory approved by DSIR.

#### Availability

Balmerol Superstar SAE 10W-30 API SL/ JASO MB is available in 800 ml packing (Bottle).

#### Technical Data

No	Characteristics	Unit	Method	Specification
1	Appearance	--	Visual	Clear & Bright
2	Colour	--	Visual	Light Brown
3	Kinematic Viscosity @ 100°C	cst	ASTM D-445	9.3 – 12.5
4	Viscosity Index	--	ASTM D-2270	125 min
5	Flash point, COC	°C	ASTM D-92	200 min
6	Pour Point	°C	ASTM D-97	(-) 28 max
7	Total base number, TBN	Mgm KOH/gm	ASTM D- 2896	5 min
8	Sulfated ash	% by wt	ASTM D-874	0.6 – 1.2
9	Cold cranking viscosity, @ (-) 25°C, CCS	cps	ASTM D-5293	7000 max
10	Metal content			
	a )	Calcium	% by wt	ASTM D-4628
	b )	Magnesium	% by wt	
	c )	Zinc	% by wt	
	d )	Phosphorus	% by wt	ASTM D-4047
11	Foaming tendencies / stabilities			
	a )	Sequence I	ml	ASTM D-892
	b )	Sequence II	ml	
	c )	Sequence III	ml	
12	High temp. high shear viscosity@ 150°C, HTHS	cps	ASTM D-4683	2.9 min
13	Copper strip corrosion, @ 100°C	--	ASTM D-130	1b max
14	Noack evaporation loss	% by wt	ASTM D-5800	15 max
15	Sequence IV, high temp	ml	ASTM D-6082	100 / 0 max
16	Stability Shear 30 cycles	cst	CEC L-14-A-93	9.0 min

#### Health and Safety

Balmerol Superstar SAE 10W-30 API SL/ JASO MB is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet are followed.

For further information, contact: **PT. Balmer Lawrie Indonesia**

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