

Lub-rref (Bangladesh) Limited

(An ISO 9001 : 2008 Certified Company)



PRODUCT DATA SHEET

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BNO Bike-4T Series

BNO Bike-4T is a multi-grade engine-oil specially formulated for 4-stroke Motorcycles. It is formulated with recommended doses of base oils and additives which satisfies the performance level of API-SL and JASO MA2. It addresses three in one functions like engine oil, gear oil and clutch oil. BNO Bike 4T now is available in three different grades like SAE-20W-50, SAE-20W-40 and SAE-5W/10W-30. The SAE-5W/10W-30 is energy conserving grade with fuel economy which satisfies both SAE-5W-30 and SAE-10W-30 due to its unique and precise formulation.

Applications & Benefits:

- Ensure better pumpability at cold environment and desired viscosity at higher temperature.
- High alkaline reserves, detergency and dispersancy to minimize deposit formation.
- Excellent oxidation stability to ensure long fluid life.
- Applicable to Motor bikes where API SL and JASO MA2 credentials are required.
- Three in one functions of motorcycle like engine, gear and clutch.
- SAE-5W/10W-30 is Energy Conserving and applicable for motorcycle engines where SAE-5W-30 or SAE-10W-30 is recommended.

Typical Characteristics: SAE- 20W-50, SAE-20W-40 and SAE-5W/10W-30:

Test Parameters	Method	Typical Results		
		SAE-20W-50	SAE-20W-40	SAE-5W/10W-30
Viscosity Grade	SAE J300			
Appearance	Visual	B&C	B&C	B&C
ASTM Color	ASTM D 1500	< 4.0	< 4.0	< 4.0
Density at 15°C, g/cm ³	ASTMD 1298	0.8840	0.8697	0.8455
Kinematic Viscosity at 40°C, cSt	ASTMD 445	176.6	141.5072	63.3704
Kinematic Viscosity at 100°C, cSt	ASTMD 445	19.4466	15.0424	10.9275
Dynamic Viscosity(CCS), mPaS at -30°C /-25°C	ASTM D 5293	6462	6885	4977/2759
Viscosity Index	ASTMD 2270	125.0	107.34	165.21
COC Flash Point, °C	ASTM D 92	242	252	218
Pour Point, °C	ASTM D 97	Max. -24	Max. -27	Max. -30
TBN, mg KOH/g	ASTM D2896	6.399	6.251	6.133
Foaming Tendency/stability; ml/ml Sequence-I, II, III.	ASTMD 892	0/0	0/0	0/0

Performance Standards:

> API SL

> JASO MA2

Health, Safety and Environment:

Based on available data collected from MSDS of ingredients used in the product, this product is not health hazardous. However, proper precautions should be taken to avoid long-term skin contact, exposure or accidental effect. Since it is a non-biodegradable product the used or waste oil should be recycled or disposed off in conformity to local disposal regulations to avoid environmental pollution.

[The information and figures given here are typical of current one which conforms to the specifications, minor variations which do not affect product performance may occur during manufacturing.]

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