

PRODUCT DATA SHEET

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BNO Heavy Duty Series

Product Description:

BNO Heavy Duty engine oils provide & deliver the latest development in lubrication oil technology which are made from good quality base stocks & additives yielding a lubricant of exacting quality such as detergent-dispersant, antioxidant, de-foaming, low temperature fluidity etc. It is a mono-grade product specially formulated for heavy-duty service in diesel engines found in both on-highway and off-highways vehicles and equipments. The dispersant minimizes sludge formation and effectively keeps particles in suspension to extend filter and engine life.

Applications:

BNO Heavy Duty Series are intended for use in non-turbocharged diesel engines. It is also recommended for use in over the road diesel trucks, heavy-duty construction equipments, oil field engine farm, vehicles and passenger diesel cars and 4-cycle engine running on gasoline.

Typical Characteristics:

Test Description	Method	Typical Results		
		BNO HD 30 SD/CC	BNO HD 40 SD/CC	BNO HD 50 SD/CC
SAE Viscosity Grade	SAE J300	30	40	50
ASTM Color	ASTM D1500	< 2.0	< 2.5	< 2.5
Density at 15°C, g/cm ³	ASTM D7042	0.8790	0.8830	0.8866
Kinematic Viscosity at 40°C, cSt	ASTM D7042	110.0	145.0	195.0
Kinematic Viscosity at 100°C, cSt	ASTM D7042	12.0	14.5	18.8
Viscosity Index	ASTM D7042	101	100	108
Pour Point, °C	ASTM D97	-18	-15	-9
COC Flash Point, °C	ASTM D92	228	248	254
TBN, mg KOH/g	ASTM D2896	3.6	3.6	3.6
Sulphated Ash, wt%	ASTM D874	0.51	0.51	0.51

Performance Standards: API SD/CC

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 specifications, minor variations which do not affect product performance may occur during manufacturing.)

Head Office: B-6 (Part) 9-10, 23-24, BSCIC I/E, Block-A, P.O. Custom Academy, Sagarika Road, Chattogram- 4219.Bangladesh., Phone # +880-31-2770019,2770036,+88-02-43151995, Fax: +88-02-43151091, E-mail:info@lub-rref.com, Web:www.lub-rref.com.
Dhaka Office: Rupayan Trade Center, Space # 5 (7th Floor), 114 kazi Nazrul Islam Avenue, Dhaka, Bangladesh. Tel:+88-02-55138710, Fax: +88-02-55138711, E-mail: infodhk@lub-rref.com, web: www.lub-rref.com.