Lub-rref (Bangladesh) Limited

PRODUCT DATA SHEET

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BNO Hydraulic Oil AW Series

Product Description:
In the present age of automation and sophistication, most of the movements, transmissions and controls are done by Hydraulic systems. BNO Hydraulic oils are intended for systems demanding high performance anti-wear hydraulic fluids. These are produced from highly refined mineral lubricating base stocks & additive packages. The additives found in BNO Hydraulic oils offer good anti-corrosion (in high humidity or slight water contamination), oxidation resistance and protection against rust, high speed, high pressure pumps against wear. They also inhibit foam formation in the oil and separate readily from water with very good air release properties.

Applications/ Benefits:
BNO Hydraulic AW (Anti-wear) oils are suitable for applications in Hydraulic equipments such as in airport service fleets, underground mines, industrial hygiene units, construction machineries, timber harvesting and other hydraulic system. BNO Hydraulic ensures NAS/ISO standard cleanliness.

Typical Characteristics:

Description	Methods	Typical Results								
		BNO Hydraulic AW 10	BNO Hydraulic AW 15	BNO Hydraulic AW 22	BNO Hydraulic AW 32	BNO Hydraulic AW 46	BNO Hydraulic AW 68	BNO Hydraulic AW 100	BNO Hydraulic AW 150	BNO Hydraulic AW 220
ISO VG	-	10	15	22	32	46	68	100	150	220
ASTM Color	ASTM D1500	< 2.0	< 2.0	< 2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<3.0
Density at 15^0C, gm/cm^3	ASTM D7042	0.831	0.842	0.850	0.857	0.863	0.870	0.878	0.880	0.889
Kinematic Viscosity at 40^0 C, cSt	ASTM D7042	10.0	15.0	22.0	32	46	68	100	151	220
Kinematic Viscosity at 100^0 C, cSt	ASTM D7042	3.00	3.7	4.0	5.43	7.30	9.20	11.08	14.7	19.0
Viscosity Index	ASTM D7042	109	117	116.3	116.0	115.6	113.0	111	110	109
Pour Point, ^{0}C/ Max.	ASTM D97	-30	- 30	- 27	-27	-27	-27	-18	-15	-12
COC Flash Point, ^{0}C	ASTM D92	Min. 160	Min. 160	Min. 190	Min. 200	230	240	260	264	270
Particle Count, NAS/ISO (After Filtration) On-line	NAS-1638 /ISO4406	NAS < 6	NAS < 6	NAS < 6	NAS < 6	NAS < 6	NAS < 6	NAS < 6	NAS < 6	NAS < 6
Foam Test, ml/ml Seq-I. Seq-II Seq-.III	ASTM D892	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0	 0/0 0/0 0/0
Copper Corrosion, Class	ASTM D130	Max. 1B	Max. 1B	Max. 1B	Max. 1B	Max. 1B	Max. 1B	Max. 1B	Max. 1B	Max. 1B
Water Separability, Min.	ASTM D1401	Max. 20	Max. 20	Max. 20	Max. 20	Max. 20	Max. 20	Max. 20	Max. 20	Max. 20

Note: NAS= National Aerospace Standard, America.

Performance Standards:

❑Denison HF-0 ❑ DIN 51524 Part II ❑ AFNOR NF E 48-603 ❑Cincinnati P-68, P-69, P-70 ❑ Vickers 35VQ

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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