

Product Data Sheet

NA-LUBE[®] BL-1232 EL



Science Road
Norwalk, CT 06852
(800) 431-7900
Fax: (203) 866-0425
E-Mail: lad@kingindustries.com

Additive Package in Compliance with European Ecolabel Criteria (Commission Decision 2011/381/EU)

NA-LUBE BL-1232 EL is an environmentally friendly multifunctional premium ashless additive package designed for use in ester-based systems.

CHEMICAL

COMPOSITION: Proprietary preparation.

APPEARANCE: Clear amber slightly viscous liquid.

TYPICAL

PROPERTIES:	Sulfur Content	8.20%
	Phosphorus Content	0.90%
	Nitrogen Content	2.75%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	180 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 5 1550)	11 mm ² /s (cSt)
	Density @ 25°C (ASTM D 4052)	0.99 g/ml
	Weight Per Gallon @ 25°C	8.25 lbs
	Flash Point, COC (ASTM D 92, DIN 51376)	170°C (338°F)
	Mineral Oil Content	none

Note: The above analytical data are not specifications.

APPLICATIONS:	Ecolabel Hydraulic Oils	<u>Typical Treat Levels</u>
		1.8%

NA-LUBE BL-1232 EL is a multifunctional lubricant package that imparts excellent antiwear and anticorrosion protection. **NA-LUBE BL-1232 EL** can be used as an ashless substitute for zinc dialkyldithiophosphate-containing packages. **NA-LUBE BL-1232 EL** has good antioxidation properties as measured by RPVOT and dry TOST testing.

ADVANTAGES:

- * Excellent solubility in synthetic base stocks
- * Ashless multifunctional lubricant package
- * Good antiwear and anticorrosion performance
- * Good antioxidation properties
- * Good SRE-NBR seal compatibility

(see reverse side)

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TEST RESULTS: Technical reports are available from King Industries and can be requested by contacting the offices shown below.

SOLUBILITY: Soluble in petroleum and synthetic lubricant base stocks and most common solvents. Insoluble in water. However, it is recommended to verify the solubility in the base oils used and the compatibility with other additives.

STANDARD PACKAGING: 440 lbs (200 kg) closed head drum.

STORAGE CONDITIONS: Store in a cool dry place away from any direct sources of heat and moisture. Maximum recommended storage temperature: 46°C (115°F)

SHELF LIFE: Best if used within 12 months from the date of manufacture.

HANDLING: Avoid all personal contact. Observe good personal hygiene. For additional information, it is advised to consult the Safety Data Sheet (SDS) for **NA-LUBE BL-1232 EL**.

REGISTRATION: Please refer to Section 15 of the Safety Data Sheet for information.

For Samples or Technical Service, contact King Industries or your King representative.

King Industries, Inc.
Science Road
Norwalk, CT 06852-0588
Tel: 203-866-5551
Fax: 203-866-0425
E-mail: LAD@kingindustries.com

King Industries International, Inc.
Science Park 402,
1098 XH Amsterdam
The Netherlands
Tel: +31-20-723-1970
E-mail: info@kingintl.nl

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