

# Product Data Sheet



## NA-LUBE<sup>®</sup> 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 2018/1702/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

<b>PROPERTIES:</b>	Sulfur Content	8.30%
	Phosphorus Content	0.90%
	Nitrogen Content	2.80%
	Viscosity @ 40°C (ASTM D445, DIN 51 550)	215 mm <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D445, DIN 5 1550)	14 mm <sup>2</sup> /s (cSt)
	Density @ 25°C (ASTM D4052)	0.99 g/ml
	Weight Per Gallon @ 25°C	8.25 lbs
	Flash Point, COC (ASTM D92, DIN 51376)	170°C (338°F)
	Mineral Oil Content	none

Note: The above analytical data are not specifications.

<b>APPLICATIONS:</b>	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)

# NA-LUBE® BL-1232 EL

*Additive Package in Compliance with European Ecolabel Criteria (Commission Decision 2018/1702/EU)*

- 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 18 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.

[WWW.KINGINDUSTRIES.COM](http://WWW.KINGINDUSTRIES.COM)

**Global Headquarters**

**Tech. Services, R&D and Sales**

King Industries, Inc.  
Science Road  
Norwalk, CT 06852-0588  
Tel: 203-866-5551  
Fax: 203-866-0425

**European Tech. Sales Office**

King Industries International, Inc.  
Science Park 402  
1098 XH Amsterdam  
The Netherlands  
Tel: +31-20-723-1970

**China Sales Office**

Dalian Mingruida Technical Consulting Co., Ltd  
Building 51, 20 Shuxiang Street  
Dalian, China  
Tel: +86-15941108485

NA-LUBE® is a registered trademark of King Industries, Inc.

v:\lad\TechnicalLiterature\CurmtTDS\NA-LUBE\BL-1232EL\_06  
Revision date: 14 APR 2026

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of product evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. Such testing has not necessarily been done by King Industries, Inc. ("King"). The facts, recommendations and suggestions herein stated are believed to be reliable; however, no guaranty or warranty of their accuracy is made. EXCEPT AS STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. KING SHALL NOT BE HELD LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES. Any statement inconsistent herewith is not authorized and shall not bind King. Nothing herein shall be construed as a recommendation to use any product(s) in conflict with patents covering any material or its use. No license is implied or granted under the claims of any patent. Sales or use of all products are pursuant to Standard Terms and Conditions stated in King sales documents.