

# Product Data Sheet

## NA-LUBE<sup>®</sup> AO-242



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**NA-LUBE AO-242** is an ashless liquid phenolic high temperature antioxidant for petroleum and synthetic based automotive and industrial lubricants and greases.

### CHEMICAL

**COMPOSITION:** Di-tert-butylphenol derivative.

**APPEARANCE:** Clear yellow to amber liquid.

### TYPICAL

<b>PROPERTIES:</b>	Assay Content	99.4%
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	117 mm <sup>2</sup> /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	5 mm <sup>2</sup> /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.98 g/ml
	Weight Per Gallon @ 25°C	8.2 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	148°C (298°F)

Note: The above analytical data are not specifications.

		<u>Typical Treat Levels</u>
<b>APPLICATIONS:</b>	Hydraulic Oils	0.1% - 0.3%
	Paper Machine Oils	0.1% - 0.5%
	Circulating Oils	0.1% - 0.5%
	Rust & Oxidation Oils	0.1% - 0.3%
	Compressor Oils	0.3% - 1.0%
	Industrial Gear Oils	0.2% - 0.4%
	Automotive Gear Oils	0.2% - 0.4%
	Polyglycol Based Products	0.5% - 1.0%

**NA-LUBE AO-242** is a 100% active highly effective phenolic antioxidant. **NA-LUBE AO-242** possesses low volatility and low viscosity and therefore can easily be incorporated into all types of lubricants and greases. **NA-LUBE AO-242** provides superior oxidative protection and a reduction in sludge formation. The oxidation stability of industrial lubricants and greases can be increased significantly by using **NA-LUBE AO-242** in combination with aminic antioxidants such as NA-LUBE AO-110 or NA-LUBE AO-150 and appropriate yellow metal deactivators.

**ADVANTAGES:**

- \* **Liquid, easy to handle**
- \* **Low volatility**
- \* **Excellent oxidation inhibitor**
- \* **Low sludge formation**
- \* **Light color**

(see reverse side)

## NA-LUBE<sup>®</sup> AO-242

**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:** 420 lbs (190 kg) closed head drum.

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

**SHELF LIFE:** Best if used within 2 years from the date of manufacture.

**HANDLING:** Avoid all personal contact. Observe good personal hygiene. For additional information, it is advised to consult the Material Safety Data Sheet (MSDS) for **NA-LUBE AO-242**.

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

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

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