

Product Data Sheet

NA-LUBE[®] AO-130



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NA-LUBE AO-130 is a liquid diphenylamine based antioxidant for mineral oil and synthetic based lubricants and greases.

CHEMICAL

COMPOSITION: Nonylated diphenylamine derivative.

APPEARANCE: Dark brown viscous liquid.

TYPICAL

PROPERTIES:	Nitrogen Content	3.5%
	Total Base Number (ASTM D 2896)	135 mg KOH/g
	Ash Content (ASTM D 482)	< 0.5%
	Color (ASTM D 1500 neat)	< 3.0
	Viscosity @ 40°C (ASTM D 445, DIN 51 550)	600 mm ² /s (cSt)
	Viscosity @ 100°C (ASTM D 445, DIN 51 550)	17 mm ² /s (cSt)
	Density @ 15.6°C (ASTM D 4052)	0.95 g/ml
	Weight Per Gallon @ 25°C	7.9 lbs
	Flash Point, COC (ASTM D 92, DIN 51 376)	165°C (329°F)

Note: The above analytical data are not specifications.

	<u>Typical Treat Levels</u>
APPLICATIONS: Hydraulic Fluids	0.2% - 0.5%
Compressor and Circulating Oils	0.2% - 0.8%
Paper Machine Oils	0.2% - 0.5%
Industrial and Automotive Gear Oils	0.2% - 0.5%
Engine Oils	0.2% - 0.5%
Greases	0.2% - 0.6%

NA-LUBE AO-130 imparts excellent oxidation resistance to lubricants and greases. It can be used alone or in combination with other antioxidants such as NA-LUBE AO-240 in formulating a wide range of high temperature industrial lubricants and greases. **NA-LUBE AO-130** is a non-corrosive, readily soluble, easy to handle aminic antioxidant. Most current oxidation stability performance standards for lubricants can be exceeded by using **NA-LUBE AO-130** in various combinations with NA-LUBE AO-240, K-CORR[®] 161, K-CORR 100A2 and yellow metal deactivators.

ADVANTAGES:

- * **100% active**
- * **No precipitation at low temperatures is expected to occur**
- * **Soluble in many different base oil types**

(see reverse side)

NA-LUBE[®] AO-130

- 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:** 419 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-130**.
- 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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