

Product Data Sheet

NA-LUBE[®] AW-6220 (Formerly KX1110)



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NA-LUBE AW-6220 is an ashless antiwear additive with excellent rust and corrosion inhibition and yellow metal deactivation properties.

CHEMICAL

COMPOSITION: Proprietary preparation of amine phosphate and heterocyclic derivative chemistry.

APPEARANCE: Light yellow viscous liquid.

TYPICAL

| | | |
|--------------------|--------------------------------------------|------------------------------|
| PROPERTIES: | Nitrogen Content | 5.7% |
| | Phosphorus Content | 4.5% |
| | Viscosity @ 40°C (ASTM D 445, DIN 51 550) | 240 mm ² /s (cSt) |
| | Viscosity @ 100°C (ASTM D 445, DIN 51 550) | 14 mm ² /s (cSt) |
| | Density @ 15.6°C (ASTM D 4052) | 0.94 g/ml |
| | Weight Per Gallon @ 25°C | 7.8 lbs |
| | Flash Point, COC (ASTM D 92, DIN 51 376) | 110°C (230°F) |

Note: The above analytical data are not specifications.

| | <u>Typical Treat Levels</u> |
|------------------------------------------|-----------------------------|
| APPLICATIONS: Metalworking Fluids | 0.25% - 3.00% |
| Honing Oils | 0.25% - 0.50% |
| Grinding Oils | 0.25% - 0.50% |
| Deep-hole Drilling Oils | 0.25% - 2.50% |
| Industrial and Automotive Gear Oils | 0.25% - 1.00% |
| Ashless Hydraulic Oils | 0.25% - 0.50% |
| Compressor Oils | 0.25% - 0.50% |
| Greases | 0.25% - 2.00% |

NA-LUBE AW-6220 is an ashless antiwear additive with excellent rust, corrosion, and yellow metal deactivation properties. **NA-LUBE AW-6220** is ideally suited for formulating ashless lubricants that require yellow metal, rust and corrosion protection while providing excellent antiwear and EP protection. **NA-LUBE AW-6220** combined with a light colored, low odor sulfur carrier, such as NA-LUBE[®] EP-5216, is a suitable alternative to chlorinated paraffins for use in metalworking fluids.

ADVANTAGES:

- * Low treat levels
- * Low odor, light color
- * Excellent solubility properties

(see reverse side)

NA-LUBE® AW-6220
(Formerly KX110)

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: 400 lbs (181 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 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 Material Safety Data Sheet (MSDS) for **NA-LUBE AW-6220**.

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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