

NA-LUBE® FM-1187



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NA-LUBE FM-1187 is a liquid molybdenum-based friction modifier for automotive and industrial lubricants as well as greases. **NA-LUBE FM-1187** does not contain any sulfur or phosphorus.

CHEMICAL

COMPOSITION: Molybdenum chemistry based on organic raw materials.

APPEARANCE: Clear, cherry-brown liquid.

TYPICAL

PROPERTIES: Molybdenum Content 7.1 %

Nitrogen Content 2.1 %

 Viscosity @ 40°C (ASTM D445, DIN 51550)
 155 mm²/s (cSt)

 Viscosity @ 100°C (ASTM D445, DIN 51550)
 15 mm²/s (cSt)

 Density @ 25°C (ASTM D4052)
 0.989 g/ml

 Flash Point, COC (ASTM D92, DIN 51376)
 >150°C (302°F)

Note: The above analytical data are not specifications.

APPLICATIONS: Automotive Lubricants 0.5% - 3.0% Industrial Lubricants 0.5% - 2.0% Greases 1.0% - 4.0%

NA-LUBE FM-1187 is a molybdenum-based friction modifier that imparts antifriction and antiwear properties to lubricants and greases. **NA-LUBE FM-1187** is a phosphorus-free and sulfur-free additive that is based on well selected organic raw materials.

When manufacturing engine oils, it is recommended to first blend the selected base oils with the additives, such as pour point depressants, viscosity improvers, and engine oil additive packages at 55°C to 70°C. **NA-LUBE FM-1187** should then be added with agitation until completely dissolved.

ADVANTAGES: * Good friction reducing properties

* Non-phosphorus

* Non-sulfur

NA-LUBE® FM 1187

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. It is recommended that **NA-LUBE FM-1187** be added to lubricants at approximately 55°C to 70°C with agitation. **Dispersants can effectively**

help to solubilize/disperse NA-LUBE FM-1187.

STANDARD

PACKAGING: 400 lbs (181 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: 30°C (86°F)

SHELF LIFE: Best if used within 18 months of 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 FM-1187.

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.

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