

**Nox-Rust® 1100 VCI Liquid (VCI-10 oil)  
Nox-Rust® 1101 VCI liquid  
concentrate**



**Product Description**

**Nox-Rust® 1100** is a volatile corrosion inhibitive lubricating liquid for use in the preservation of ferrous and/or other metal parts in enclosed systems. By combining the protective properties of preservative oil with Daubert VCI® proprietary volatile corrosion inhibitors (VCI), Nox-Rust 1100 liquid provides long-term protection against rust in closed systems or voids.

Typical examples of closed systems include fuel tanks, storage tanks cylinders, transmissions, hydraulic and coolant circulating systems. It may also be fogged into shipping cases to protect unpainted auto and truck body sections during shipments. It can also be used for winter lay-up of farm and road building equipment and for summer storage of school buses, snowplows, snowmobiles, etc.

Conventional lubricating or preservative liquids slushed or fogged into such systems will drain away from the vertical metal surfaces in about six months, exposing the metal to moisture, condensation and corrosion. While Nox-Rust 1100 also drains away, the vaporizing rust inhibitors evolving from the product spread throughout the voids of system and neutralize the corrosion-causing tendency of the moisture in the air. Nox-Rust 1100, being highly fortified with contact inhibitors, also protects the metal below the oil level.

**Physical Properties**

*(Typical values, not specifications)*

Appearance:	Light golden oil
Viscosity:	210 cps
Carrier:	Oil
Coverage:	800 sq. ft. per gal.
Film type:	Oily
Volatile:	5%
Film thickness:	0.2 mils
Specific gravity:	0.900
Freezing point:	NA
Flash point:	225° F min.
Odor:	Slight
Accelerated Corrosion Test Humidity JAN-H-792, 100% RH @ 120 F	300 hours
Vapor phase Protection, Mil-P-46002A	
Procedure:	Pass
Removal:	Not necessary

**Packaging and Storage**

Nox-Rust 1100 (VCI-10 Oil) is available in conveniently sized 5 gal (18.9 l) pails, aerosol cans and 55 gal (208 l) drums.

Store sealed, in a dry location, out of direct sunlight in temperatures not to exceed 100°F (40°C) or below 40°F (5°C). For best results, use within 1 year after date of manufacture.

**Typical Applications and Use**

Nox-Rust 1100 liquid is ready to use in systems where a combination of metals are present, including steel, iron, zinc, copper, brass, and aluminum.

- In drive clutch and steering clutch assemblies, which are subject to corrosion during shipment and storage, fog 3 oz. of Nox-Rust 1100 to the hydraulic test oil. After testing, add an additional 3 oz.
- For carburetor engines:
  - Crankcase, including crankshaft, bearings, rocker arms and surfaces normally lubricated by crankcase oil, use

- 1 oz. per quart of crankcase oil,  
or 1% by volume.
- For fuel tanks, use 2 oz. per  
gallon on tank volume.
- Oil bath cleaner, use 1/3 oz. per  
engine cylinder.
- For diesel engines, use same amount  
as carburetor engines and
  - Injection pumps, add ½ oz. per  
engine cylinder.
  - Fuel tanks, fog 1 oz. per each  
7½ gallons (1 cu. ft.) capacity. If  
tank contains oil or gasoline,  
add 1 oz. for each gallon  
present.
- For transmissions, add 2% Nox-Rust  
1100 to the lubricant.

**Nox-Rust® 1101 VCI liquid concentrate** is  
about a 2:1 concentrated version of Nox-  
Rust® 1100 (VCI-10 Oil).

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Nox-Rust 1100 Product Data.doc Rev.0 05/03

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