

# Product Data

# Nox-Rust® 1100 Rust Preventive Liquid

## Description



Nox-Rust 1100 liquid is a volatile corrosion inhibiting lubricating oil for use in preservation of ferrous and/or other metal parts in enclosed systems. It provides long term protection against rust in "closed" systems or voids.

Intended for use in the preservation of enclosed systems where the volatile components will provide protection above the oil level. Typical examples of "closed" systems include fuel tanks, storage tanks, cylinders, hydraulic and coolant circulating systems. It can be used for winter layaway of farm and road building equipment and for summer storage of school buses, snowplows, etc. It may also be fogged into shipping cases to protect unpainted auto and truck body sections during shipments. Daubert Cromwell VCI paper, film and devices may also be used in these applications.

## Features



### **Proven Daubert Cromwell corrosion inhibitor chemistry**

- Conventional, contact-oriented, lubricating or preservative liquids slushed or fogged into such systems will typically drain away from the vertical metal surfaces, exposing the metal to moisture, condensation and corrosion. While Nox-Rust 1100 oil also drains away, the vaporizing rust inhibitors evolving from the product spread throughout the void or system and neutralize the corrosion-causing tendency of the moisture present in the air. Highly fortified with contact inhibitors, it also protects the metal below the oil level.
- OEM Approved
- Compatible with Daubert Cromwell VCI papers, films, and emitters.

## Typical Applications



### **Typical examples of closed systems where Nox-Rust 1100 is used:**

- Fuel tanks, storage tanks, cylinders, metal containers.
- Transmissions, crank cases, bearings, and surfaces normally lubricated by crankcase oil
- Gear housings, clutch compartments
- Injection pumps, compressors, housings
- Gasoline, natural gas and diesel engines
- Drive clutch and steering clutch assemblies
- Protection for seasonal equipment in lay-up and storage

### **How to Use**

Nox-Rust 1100 VCI should be used in all enclosed systems subject to corrosion in shipment and storage. Add into engine combustion chamber, fuel tanks, injection systems, crankcase, transmissions, drive clutch, steering assemblies, and hydraulic systems. Please see Product Application Bulletin or contact Daubert Cromwell for specific use and application recommendations.

Nox-Rust 1100 protects all metal parts in enclosed systems. While it may cause some discoloration of aluminum, it will not harm aluminum.

**For more information, see Product Application Bulletin**

## Removal

Engines stored in Nox-Rust 1100 may be put into use without concern for removal. Injection pumps and hydraulic governors, however, should be drained and refilled with the recommended lubricant.

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# Technical Data

# Nox-Rust® 1100 Rust Preventive Liquid

## Physical Data

Physical Properties	Typical Values
Color	Light golden oil
Viscosity @40°C	210 cps
Pour Point	-10°F (-23°C)
Film Type	Lubricating oil
Film Thickness	0.2 mil (5 µm)
Specific Gravity	0.91
Weight per Gallon	7.5 lb/gallon (0.9 kg/L)
Flash Point	225°F (107°C)
Protective Properties	
Humidity Protection, JAN-H-792 (100% RH @ 120°F)	300 hrs
Vapor Phase Protection, MIL-P-46002A	Pass

## Approvals

RoHS compliant, OEM approved  
NSN 9150-01-621-6368 (5-gal. pail)  
NSN 8030-01-695-3138 (1-gal. can)  
CAT Dealer No. 516-0277 (5-gal. pail)  
CAT 1E2359A  
CAT 1E2359B

## Storage

Store sealed, in a dry location, out of direct sunlight in temperatures not to exceed 95°F (35°C) or below 50°F (10°C).

## Shelf Life

24 months from date of shipping, stored in the original, unopened shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Store unused VCI liquid in a cool, dry place, away from direct sunlight. Storage outside these conditions voids this statement.

## Note

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a product other than Daubert Cromwell's recommended product is required, written authorization must be obtained from Daubert Cromwell.

**WARRANTY** The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and

workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

JUN2021JAB

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