DAUBERT CROMWELL
The Leading Name in Corrosion Prevention®

12701 S. Ridgeway Ave
Alsip, IL 60803
USA

Toll free: 800-535-3535
888-846-4299
Fax: 708-293-7765

Tel: 708-293-7750
E-mail: info@daubertcromwell.com

Technical Data

Nox-Rust® 1100

Nox-Rust 1100 is a volatile corrosion inhibitive lubricating liquid for use in the preservation of ferrous metal parts in enclosed systems. It combines the protective properties of preservative oil with volatile corrosion inhibitors to provide long term protection against rust in "closed" systems or voids.

Physical Properties	**(Typical Values, Not Specifications)**
Viscosity @ 100°F SUS:	210
Pour Point:	-10°F
Flash Point:	300°F
Specific Gravity:	0.931
Film Thickness @ 77°F:	0.2 mils
Coverage:	800 sq. ft. per gal.
Volatile:	5%
Accelerated Corrosion Test, Humidity JAN-H-792, 100% RH @ 120°F:	300 Hours
Vapor Phase Protection, MIL-P-46002A Procedure:	Pass

Nox-Rust 1100 is intended for use in the preservation of enclosed systems where the volatile components will provide protection above the oil level. It provides an effective contact preservative film. Typical examples of "closed" systems include fuel tanks, storage tanks, cylinders, transmissions, metal containers, gear housings, clutch compartments, crankcases, 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, snow plows, etc. It may also be fogged into shipping cases to protect unpainted auto and truck body sections during shipments.

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 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. Nox-Rust 1100, being highly fortified with contact inhibitors, also protects the metal below the oil level.

How to Use Nox-Rust 1100 Oil

1. In drive clutch and steering clutch assemblies, which are subject to corrosion during shipment and storage, fog 3 oz. of 1100 oil into each chamber and plug the orifice to retain vapor.
2. Corrosion of hydraulic cylinders can cause leakage. Protect cylinders and circulating systems by adding 2% Nox-Rust 1100 to the hydraulic test oil. After testing, add an additional 3 oz.
3. To forestall corrosion in a diesel injection system, fog 1oz. per each 7½ gallons (1 cu. ft.) capacity into the fuel tanks. If tank contains oil or gasoline, add 1 oz. for each gallon present.

4. To protect crankshaft, bearings, rocker arms and all surfaces normally lubricated by crankcase oil, add 1% Nox-Rust 1100, by volume, to the crankcase oil.
5. To protect upper cylinder walls and valves in diesel or gasoline engines, introduce 8 oz. of Nox-Rust 1100 through the air filter and turn over motor with ignition off.
6. For transmissions, add 2% Nox-Rust 1100 to the lubricant.

Use full strength in systems with ferrous metals only. Where non-ferrous metals are present, it must be diluted to 2% or less, depending on the metals present.

Surface Preparation

Maximum performance of Nox-Rust 1100 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Daubert Cromwell recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

Application

Nox-Rust 1100 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If product thickens due to cold storage or loss of solvent during use, contact Daubert Cromwell. Recommended ambient and product temperature is 50-95°F (10-35°C) at time of application. Nox-Rust 1100 can be spray or dip applied.

Caution

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Material Safety Data Sheet for additional handling and first aid information.

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.

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Rev. 4/07 jb *(company name, address, phone, fax only)*
Rev. 9/07
Rev. 6/16

The data, statements and recommendations in this product information 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.

WARRANTY – 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.