

QUALITY LUBRICATES.



Handling and Storage Guide

for **Anderol® Specialty Lubricants and Greases**

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QUALITY **WORKS.**

LANXESS
Energizing Chemistry

ANDEROL® LUBRICANTS

Anderol® lubricants have excellent qualities and characteristics, including uniformity, excellent oxidation stability, low evaporation rates, high flash points and wide operating temperature ranges. Anderol adheres to strict cleanliness and quality control policies. Every precaution is taken to prevent the contamination of lubricants from any external impurities and ensure that products are shipped in clean containers.

Anderol® lubricants will provide maximum shelf life and minimum lubrication/mechanical complications when handled and stored correctly and used in the application for which they were designed.

Lubricating oils and greases that are not handled and stored correctly (i.e. exposed to dust, dirt, moisture or extreme temperatures) will quickly deteriorate or become contaminated.

Recommended guidelines for the handling and storage of synthetic lubricants :

- Synthetic lubricants should be stored in a clean, dry room maintained at an ambient room temperature of between 50° and 85° Fahrenheit or 10° and 30° Celsius
- Lubricants should not be stored outdoors. However, if they must be stored outdoors (short periods only) they should be stored horizontally so that water cannot collect on the drums. Drums should be positioned several inches about the ground to prevent moisture damage and protected with a waterproof cover.
- Containers should be stored so that the product name/labelling is clearly visible to minimize the risk of using the incorrect lubricant.
- Before opening a lubricant drum, the head should be inspected for contamination (e.g. dirt) and cleaned if required.
- Heads, openings and spouts of all lubricant drums, pails and containers should be kept closed at all times to prevent contamination with atmospheric dust, moisture and other impurities.
- When lubricants are transferred from drums care should be taken that the dispensing equipment and transporting containers are free from contamination, such as other liquids and dirt.

Impact of storage conditions on shelf-life Anderol® lubricants

Storage conditions	Minimum expected shelf-life
Ideal conditions: Sealed container, indoor clean protected storage area, moderate temperature (50° -85°F / 10° -30°C)	5 years
Adequate conditions: Closed container, protected clean indoor storage area, limited temperature control (40° -105°F / 5° -40°C) or Sealed container, protected storage area (indoor or outdoor), limited temperature control (0° -105°F / 18° -40°C)	3 years
Uncontrolled conditions: Open container or closed container but unprotected from weather and or contamination.	Not determined

NB If lubricants are stored for prolonged periods, some separation of liquid is expected. Do not pour off the separated oil. The lubricant may be turned to its original condition by stirring. The situation can be avoided by simply turning the container upside-down once every month while in storage.

ANDEROL® GREASES

The general minimum expected shelf-life for greases with consistency grades NLG 0,1 and 2 is three years and one year for NLGI 00.

Storage indoors, out of direct sunlight and in an upright position is recommended for unopened grease containers. Drums, kegs, and pails should be covered to prevent the accumulation of dust, dirt and water on the lid (any contaminants on the lid should be wiped clean before opening). Compressed air should be used to remove the lid. Smaller containers, such as cans or tubes should be stored away from heat and out of direct sunlight. Tubes of grease should be stored upright, with the removable cap at the top, away from heat or direct sunlight. NB If stored for an excessively long period of time or under poor storage conditions, unused lubricating grease can 'spoil'.

Storage conditions such as warm environments can accelerate the natural tendency for oil to separate from lubricating greases, with some greases more likely to separate than others. Do not pour off the separated oil. The grease may be turned to its original condition by stirring. The situation can be avoided by simply turning the container upside-down once every month while in storage.

Recommended guidelines for the storage of grease

- Store grease in a cool, dry environment indoors free from airborne contaminants.
- Arrange containers oldest to newest and keep tightly covered
- Wipe the containers clean (including lid and edges) before opening
- Before usage ensure that the grease is brought up to a suitable dispensing temperature
- Keep grease-handling tools clean
- With partially emptied containers, where the remainder will not be immediately used, all void spaces should be filled with grease and the surface leveled and smoothed
- Store grease cartridges (tubes) vertically with the removable cap up

NB If stored for an excessively long time, grease can separate to the point that the oil cannot be remixed into the grease. Your Anderol® supplier can offer advice on whether to mix separated oil back into grease or to pour it off the product.





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Anderol BV
Groot Egtenrayseweg 23
5928 PA Venlo
The Netherlands

www.anderol.com
info@anderol.com
+31 (0)77 396 0340

North America
+1 833 LANXESS
customer.care@lanxess.com

South & Central America
+55 19 3522 5083
atendimento.ciente@lanxess.com

Asia Pacific
+86 21 6109 6666
Orders.apac@lanxess.com

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Unless specified to the contrary, the values given have been established or standardized test specimens. The figures should be regarded as guide values and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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