



Care of Chrome
June 2025



Why?

The chrome rod surface has the possibility of being exposed to a corrosive environment. This is most likely to happen when the cylinder is not being used. For example, when a new machine is being shipped to a dealer or customer.

Due to this it is best to provide additional protection to the chrome rod.



Care of Chrome

The following care of chrome is essential in **maximising** the life of chrome rods.

All hydraulic cylinders with chrome exposed to the elements must be greased to protect against corrosion.

Chrome must be greased during machine assembly, transportation and storage. Chrome must be inspected every 4 weeks for grease requirements.

NHL use CK45 Chrome Rod (200 hours, Rating 9) as standard. Other chrome spec is available upon customer request, such as:

-  Nikrom

-  Chrome over Stainless

-  Induction Hardened

Care of Chrome - Protecting

It must be carefully noted that all NHL Chrome with exception of Induction Hardened are only chrome plated and will not withstand external damage such as stones, grinding or welding sparks.

NHL highly recommend the application of Cazar K adhesive water- resistant grease on all exposed chrome.

Other inexpensive solutions is to apply solvent diluted oils such as:

 UNIL – SHX 12

 MOTUL – SAF PROTECT LD

 BP – STEMKOR 178



Care of Chrome - Cleaning

Nitric Solvent (without chlorate) is recommended by NHL in any necessary cleaning of chrome.

The use of anything else might harm or reduce the protection of the chrome.

Under no circumstances should any abrasive materials such as sandpaper be used to clean the rod surface.



Care of Chrome – How to Apply?

1. Move machine into the position it will be store/transported in.
2. Identify all exposed chrome rod and clean all dirt, dust etc from the exposed chrome using Nitric Solvent and a cloth or a suitable alternative.
3. Apply a thin coating of Cazar K adhesive water-resistant grease to the exposed areas.
4. Inspect the chrome after a maximum of 4 weeks and reapply protection.



 **NHL**