

Chromium Nickel-Paste

Bardahl Chromium Nickel-Paste is a lubricating and montalant suitable for very high temperatures up to 1600C ! When threads have been eaten up as a result of heat, only a cutting torch or a hacksaw can offer a solution. The damaged parts then have to be replaced and that is all in all a time-consuming matter.

Bardahl Chromium Nickel-Paste is a release and montapasa, consisting of very finely divided particles in an unmeltable base grease. To this are added powerful anti-corrosion and antioxidation inhibitors.

Bardahl Chromium Nickel-Paste does not contain copper, lead or heavy metals.

The problem

When two metal parts, which are connected to each other, are exposed to heat for a longer period of time, they oxidize on the sides facing each other. The crystals of the resulting oxide therefore grow from one surface in the gap of the other surface and eat themselves. If this is accompanied by vibrations, a 'cold welding' of both metal surfaces can occur. This then results in a completely fixed eating.

How it works

The Bardahl Chromium Nickel-Paste fills in the irregularities of the surface. The layer present will not harden, clump or melt and will not be broken by vibrations, shrinkage or expansion.

Bardahl Chromium Nickel-Paste ensures that another metallic agent is placed between metal surfaces, which does not connect to either of the metal surfaces (Insulator). The metal surfaces of all kinds of compounds are thus kept separate from each other, even after being exposed to very high pressures or temperatures. A thinly applied layer protects without any problems and for a long time against the burning, hardening and rusting of bolts, threaded ends, nuts, hinges, guides, etc.

Bardahl Chromium Nickel-Paste offers protection against oxidation, corrosion, vibration, wear and deterioration. Due to the balanced composition of this product, the assembly and disassembly of screws, bolts and nuts is greatly simplified.

Advantages

- Quick and easy assembly of wire connections.
- Reduction of the torque.
- Prevents galvanic action, corrosion, rusting.
- Provides quick and easy release of wire joints, gaskets and packaging, even after being exposed to high temperatures up to 1120°C, corrosive atmospheres or high loads for a long time.
- Reduces wear in high friction areas.
- Is not affected by acids, alkalis or salts.
- Is not rinsed by water.

The welding of metal by extreme pressures and temperatures is prevented by using **Bardahl Chromium Nickel-Paste**.

Applications

General industrial applications

- Locking bolts and markers of all kinds
- machine parts such as: pumps,
- mixing installations, press hinge points.
- Locking bolts of bulldozers, loading cranes, draglines
- etc.

Steelworks

- Bolts of safety valves and various other
- parts that are subjected to high temperatures
- exposed.

Power plants

- High-pressurere flanges of boilers. Head bolts from
- lids for turbo generators and turbochargers
- Fans. Turnbuckles and nuts of
- High-pressurere boilers.

Automotive, Transport

- For mounting all those parts that need to be disassembled later, such as bolts on exhausts, seals and threads of atomizers and spark plugs. To prevent beeping noise in writing brake systems.

Navy

- For mounting all kinds of parts that have to be disassembled later, such as: bolts and nuts.

Welding work

- Protects against splashing when using CO² welding equipment. On the threads of nozzles, guide bushings and on the attachment points of welding burners.

Agricultural sector incl. earthmoving machines

- Bearing bolts and fixing screws of tracked vehicles, tractors (incl. auxiliary machines), combines, etc.

Railway

- Rotary pins, locking bolts of buffers and adjustment screws of brakes of diesel locomotives.

Manual

Bardahl Chromium Nickel-Paste is available as a paste in special pressure packaging. This product can be applied by means of the supplied brush or by means of a nozzle. Parts that are difficult to access can also be provided with the required protection with this bus.

Analysis data

Test	Results
Consistence	According to NLGI Class 1
Density	1,2 g/ml DIN 51757
Penetration	310 – 340 at 25°C
Colour	Grey
Working temperature	-35°C +1600°C.
Water resistance	complete DIN 51807
SKF-EMcor test	No corrosion

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Contents 240gr.