



NanoLub®

GH-X

Anti-Wear & Anti-Friction
Paste Additive for Grease



UNIQUE
NANO-
TECHNOLOGY



EXTENDED
MACHINERY
LIFE



LESS
INTERNAL
WEAR



24/7
REDUCE
DOWNTIME



IMPROVE
POWER & TORQUE
PERFORMANCE



EXTENDS
MAINTENANCE
INTERVALS

P r o d u c t D a t a S h e e t



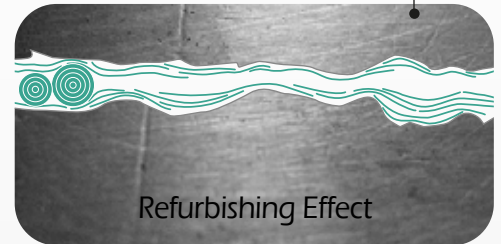
NanoLub® GH-X

Product Data Sheet
Anti-Wear & Anti-Friction Paste Additive for Grease

Dual-Effect Active Material

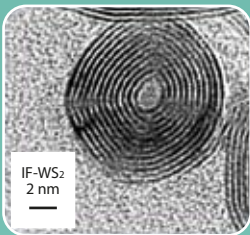


Anti-friction Effect

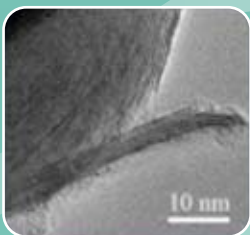


Refurbishing Effect

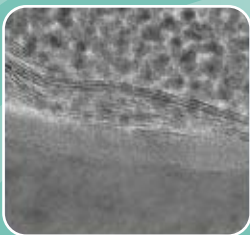
How NanoLub® “Dual Action” Works



Multi-layered nanosphere particles reduce friction



Under stress, nanoparticles exfoliate tribofilm lamellas



Tribofilm lamellas fill and re-smooth damaged surfaces

Description

NanoLub® GH Series is a new generation surface-reconditioning nano lubricant additive for grease.

Featuring a unique “dual action” effect: multi-layer WS_2 nanospheres lower friction and heating, thereby reducing mechanical wear.

At the same time, friction causes nanospheres to release tribofilms that attach to surface crevices and re-smooth them, thereby extending mechanical efficiency and apparatus life.

NanoLub® GH-X is specially formulated to perform in Extreme Pressure conditions.

Applications

- General applications where grease is the most suitable lubricant.
- For use in automotive, industrial, mining and heavy equipment. Applicable in bearings, gears (open gears, closed gears) slideways and various other machine components.
- Suitable for a wide variety of greases, including lithium and lithium complex.

Key Features

- Special additive for extreme pressure performance. In house test show 620-800 kg Weld Load on 4-Ball (ASTM D-2596); stronger performance than conventional greases.
- Significant friction reducer including anti-wear and load carrying properties.
- Extends maintenance intervals and reduces downtime.
- Easily applicable to grease production processes.

Format & Packaging

- Paste form.
- Ready to use additive containers: from 20kg pails to 200kg drums.

Mixing recommendations:

High shear mixer, 1000 rpm



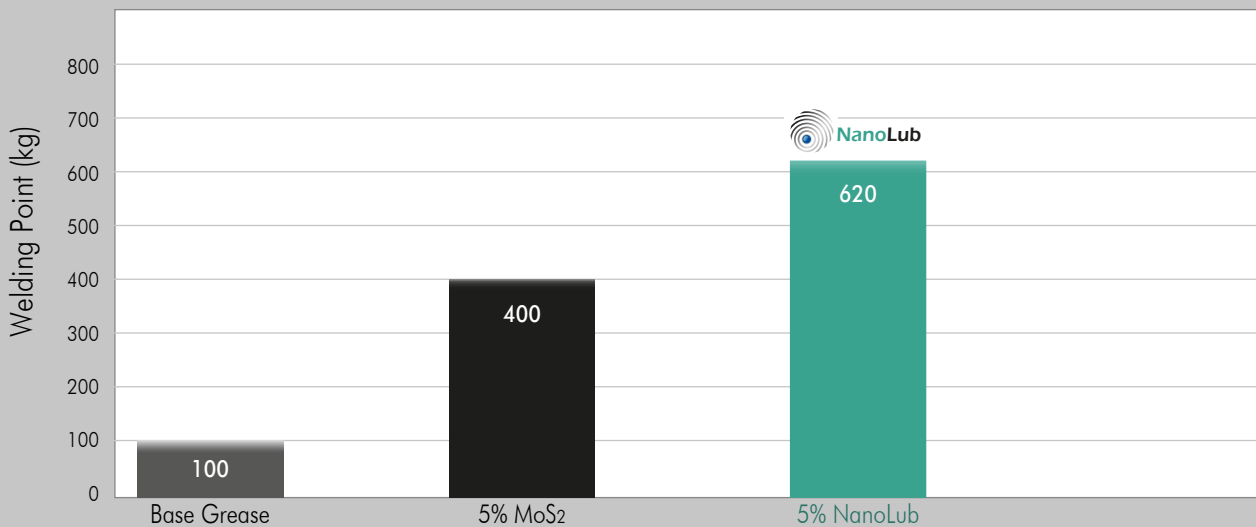
Technical Specs

Color	Dark grey
Treat rate	1% - 5% v/v in host grease
Carrier	Thickened with lithium grease
NLGI Grade, P60	0-1
Density	1.3 g/cm ³
Health	Non-toxic nanoparticles as per OECD protocols
Safety	EU REACH Compliant

4-ball Performance Tests: Grease

NanoLub[®] enhanced WS₂ - based grease produces better welding point than MoS₂ based grease.

NanoLub vs. MoS₂ in Li Grease 4 Ball Weld Point (ASTM 2596)





Award winning
TECHNOLOGY



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