

# LUBRICATION FOR INDUSTRY

Lubrication causes 55% of premature bearing failures. By applying the right lubricant you can protect your investment and significantly increase the service life of your bearings & machinery. Lubrication reduces the risk of wear & seizure, and protects against corrosion, creating a barrier to pollutants, liquids & contamination.

# NTN-SNR lubrication trusted world-wide to protect your bearings and machinery.

Inadequate lubrication substantially shortens the service life of your bearings. Bearing lubrication is often overlooked due to the difficulty of accessing bearings, or the maintenance teams lack of lubricant knowledge. Selecting the right lubricant, the right lubrication method, the precise quantity and monitoring frequency are all critical.

We can audit your plant, understand the issues and help select the correct grease, lubrication systems & bearings to overcome and withstand any challenge you face.

## APPLICATION SPECIFIC GREASES FOR YOUR PLANT

NTN-SNR has formulated lubricants for your specific applications, as well as providing the means to reliably distribute the correct volume required for each component. Includes VIB bearing grease for crushers; Heavy Duty grease for intensive machinery use; & Universal grease for standard applications such as off-road equipment.



Also available: chain oil lubricators.

## GENERAL PURPOSE GREASE - MULTI GREASE



General Purpose / Universal Multi mineral oil, lithium grease is for use in general industry and automotive. Can be used in agricultural machinery, handling equipment, & general mechanical devices.

Good at repelling water, and offers excellent protection against wear & corrosion.

Temperature range of -25°C to +140°C.

## HEAVY DUTY GREASE - HIGH LOAD, EXTREME PRESSURE

Formulated for high pressure applications, this mineral oil, Lithium EP grease is especially suited to arduous operating conditions in heavy industry, such as metals, construction, and transport. Used for conveyors, truck wheel bearings, electric motors, water pumps, presses, etc.

Excellent performance at high speeds & heavy loads.

Temperature range -25°C to +140°C



## VIB GREASE - VIBRATIONS AND SHOCK LOADS



VIB bearing grease is a semi-synthetic Lithium/Calcium grease, ideal for parts subjected to extensive vibrations or impacts. Recommended for quarries, cement plants, utility operations & high humidity operations in paper plants and boring. Used in shaft scoops, crushers, grinders, vibrating scalpels, industrial fans, etc.

Excellent with impacts, vibrations & heavy loads.

Temperature range -20°C to +140°C

NTN greases are produced with high quality base oil and formulated on the NGLI grades necessary for a particular work penetration. For bearings, the consistency generally adopted is NGLI 2.

Any grease selection should be based on the operating conditions of the bearing; speed, temperature, load, environment, vibrations & other limiting specifications.

Polar Star Engineering Services can assess your applications & ensure that you can attain and maintain bearing peak performance through the best grease and lubrication system selection.

### HIGH TEMPERATURE MP GREASE



Ideal grease solution for long term lubrication at low and high temperatures. This synthetic, polyurea multi-purpose grease offers excellent protection against wear and corrosion. Making it perfect for electric motors, dryers, oven conveyors, generators, pumps, textile machines, paper converting machines, etc.,.

Temperature range -40°C to +180°C

### SINGLE POINT LUBRICATORS

Ensure continuous, reliable, clean & extremely precise lubrication. Easily integrated in different types of applications, single-point lubricators result in an optimised lubrication function, without the need to modify machines. Available from 60-250cc, automatic lubricators are a solution to poor lubrication practices which waste valuable budget & cause bearing damage.



### MULTI POINT LUBRICATORS



NTN-SNR has worked with POLIPUMP to develop a high-performance, cost-effective & easy to use multi-point lubrication solution. Installed in only 4 steps (no technical skills required), the POLIPUMP enables really simple lubrication from 1 to 35 points (depending on the model) & at a distance of up to 20 metres.

### LUBRICATION CONSULTATION SERVICES

Polar Star Engineering Services and NTN-SNR are pleased to work with End Users on all matters concerning lubrication practices. Poor lubrication practices are the root cause for the majority of bearing failures and are costly in terms of wasted grease and lost production output/time. We are pleased to be able to offer advice on grease selection, quantity, schedules and delivery methods.





## FIND YOUR BEARINGS

### PRODUCT RANGE

We are the Authorised Distributor to Industrial End Users for NTN-SNR, and so are able to offer their complete range of bearing and linear technology solutions, bearing accessories, maintenance tools and lubricants. We have the full support of the manufacturer to review your application needs, and work with your teams to drive plant efficiencies, solve maintenance issues and develop your team's bearing capabilities



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