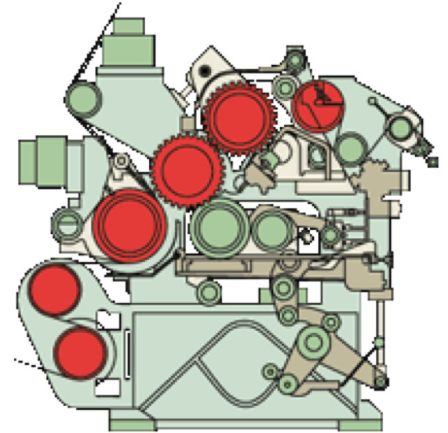


NyeCorr[®] 140

NyeCorr[®] 140 Commonly Asked Questions

NyeCorr 140 grease is a perfluoropolyether (PFPE) oil-based lubricant that is completely compatible with other PFPE's currently used in the heated roll bearings of single facers and large 36" preheaters. NyeCorr 140 PFPE has a base oil viscosity equivalent to an ISO 460 base oil while other PFPE's use only ISO 220 base oil stock. NyeCorr's higher viscosity base oil provides more load carrying capability and is able to better withstand the operating temperatures of the single facer application.



Whether you are using an existing PFPE grease or converting from a conventional hydrocarbon oil system, Nye Lubricants can help make the transition easier.

Below are a few commonly asked questions about converting to NyeCorr:

Q. *Our plant is currently using a more expensive brand of PFPE grease. Can we switch to NyeCorr now?*

A. Yes. NyeCorr is a PFPE base oil grease which has the same chemistry as the other, more expensive, PFPE greases. It is completely compatible with and can be pumped directly over the other PFPE brand. There is no need to remove the brand "X" PFPE grease, simply start using NyeCorr and save money.

Q. *When is the best time to change our single facer oil system over to NyeCorr grease?*

A. The best time to convert from hydrocarbon oil or grease to NyeCorr is during the roll change.

Q. *What changes need to be made when converting a single facer or pre-heater from an oil system to NyeCorr?*

A. C-4 or greater internal bearing clearance is required since bearings tend to run slightly hotter with PFPE type greases.

New bearings should be thoroughly cleaned to remove any rust inhibitors or oils that may have been applied by the bearing manufacturer. Nye Lubricants can provide you with an effective hydrocarbon solvent for the job, NyeSolv HG.

Pack the new bearings and cavities with NyeCorr before re-installing them into the housing or on the roll shafts. Finally, after complete assembly and the equipment has reached normal operating temperature fill the bearings completely with NyeCorr.

Use a pin type or button head grease fitting on all NyeCorr greased bearings and use a dedicated grease gun with the proper mating fitting. This will prevent the chance of a petroleum or other hydrocarbon grease from being accidentally mixed with NyeCorr.

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Q. Will seals be needed when converting to NyeCorr grease?

A. When the housing to shaft tolerances are close, NyeCorr will help to provide a seal but it will not be as long lasting as a standard lip seal. Lip seals on each side of the bearing are recommended for most applications. The addition of multiple lip seals will reduce the need to re-lubricate as often as cases where no seals are used.

Q. What is the lubrication interval when using NyeCorr?

A. Re-lubrication will vary from 1 to 4 months depending on the type of the equipment and seals used. Older single facers without seals should be re-lubricated every month. Generally, the amount of NyeCorr used in re-lubrication is about half that of the initial fill amount and should be added while the bearings are rotating to insure even distribution of lubrication.

Q. Which units or bearings can be converted to NyeCorr grease?

A. Almost any single facer manufactured can be converted to NyeCorr grease with exception to some extremely old equipment. Upper and lower corrugating roll bearings, pressure roll, preheater and preconditioner roll bearings are being lubricated with NyeCorr.

Q. What are some of the advantages of converting to NyeCorr?

A. NyeCorr grease will improve safety and housekeeping by eliminating the slipping hazards around machinery usually associated with oil systems. Product quality can be improved because oil will no longer be getting on your corrugated board. EPA fines are avoided with the removal of oil running down the single facer side frames into sewer drains. NyeCorr greases were specially formulated for more resistance to high temperature, improved corrosion and wear prevention properties. This will protect your single facer bearings and reduce downtime over other more expensive PFPE base oil greases.

Q. What solvent can be used to remove PFPE's from housings and other re-usable single facer parts?

A. Nye Fluorosolvent 504 is a completely fluorinated, fast-evaporating "ozone-safe" solvent intended as a cleaning solvent for NyeCorr PFPE greases.