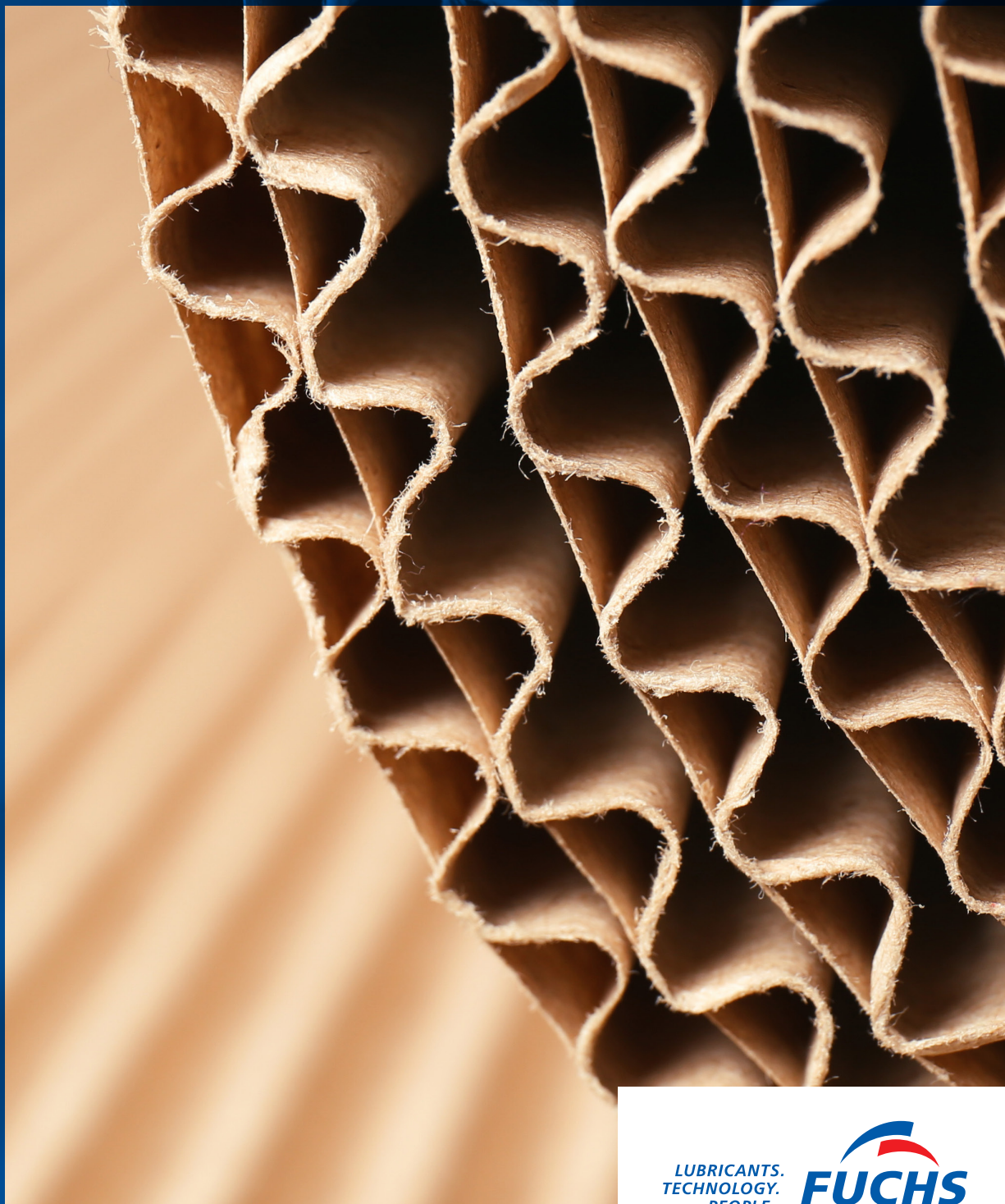


# NYECORR 140

FOOD GRADE & PFOA-FREE

The corrugated industry's most advanced synthetic grease.



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



*MOVING YOUR WORLD*

# LUBRICANTS. TECHNOLOGY. PEOPLE.

Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and the basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

## **MOVING YOUR WORLD**

### **Facts and figures**

**Company:** FUCHS LUBRICANTS COMPANY, Harvey, IL, USA  
FUCHS LUBRICANTS CANADA LTD., Langley BC and  
Cambridge ON, Canada  
LUBRICANTES FUCHS DE MEXICO SA DE CV  
Querétaro, Qro., Mexico

### **NORTH AMERICAN PLANT LOCATIONS:**

New Castle, DE; Harvey, IL; Kansas City, KS;  
Fairhaven, MA; Huntington, WV;  
Langley, BC; Cambridge, ON; Querétaro, Qro., MX

# NYECORR 140

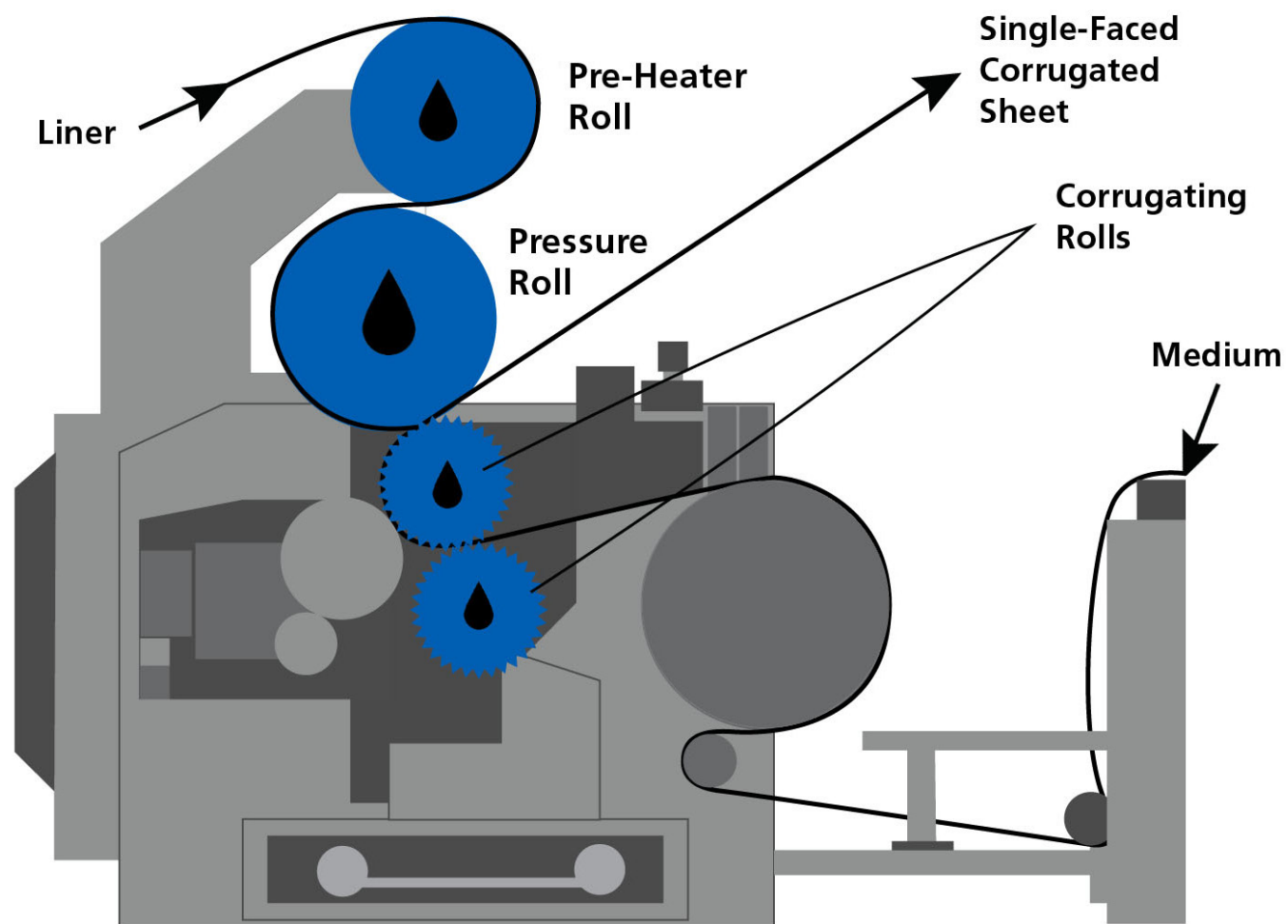
THE CORRUGATED INDUSTRY'S MOST ADVANCED SYNTHETIC GREASE

## Lubricating Corrugator Bearings

Corrugated packaging is one of the most economical, rugged and environmentally sound ways to ship goods. More than two-thirds of the world's retail commodities are transported in corrugated packaging which is only expected to increase with the proliferation of online shopping. The efficient and cost-effective production of corrugated board depends on good lubrication. Without it, the entire corrugated production line would come to a screeching halt.

NYECORR 140 is a synthetic grease formulated specifically for the maintenance of bearings in the corrugated industry. Since its introduction, hundreds of corrugated plants worldwide have converted to NYECORR 140 and realized significant cost reductions, while increasing performance, improving in-plant safety and extending maintenance cycles compared to heritage greases for corrugator bearings.

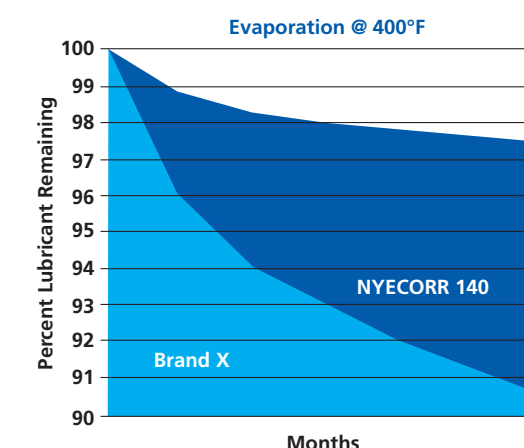
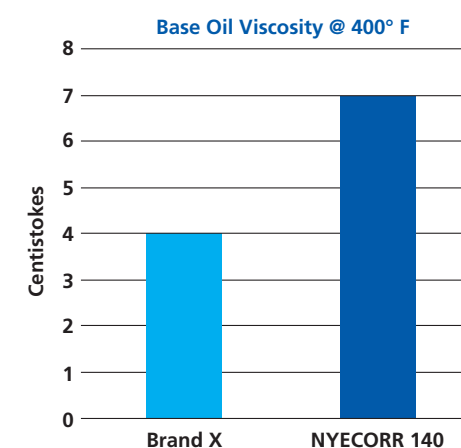
When we first introduced NYECORR 140 to the corrugated industry, we gave customers an option they had long been without; a high-viscosity base oil lubricant that would protect their corrugated roll, pressure roll and pre-heater roll bearings without breaking the bank. NYECORR 140 is the most environmentally friendly and economical option available to the corrugated industry today.



## Benefits of Lubricating Bearings with NYECORR 140

- Reduces maintenance costs
- Increases load-carrying capability
- Resists common solvents, steam & water
- NSF H-1 Food-Grade Registered
- PFOA-Free
- Extends bearing life
- Anti-corrosion package for rust protection
- Withstands high temperatures & harsh chemicals

## Trust Solutions Backed by Proven Performance



### Higher Oil Viscosity

- Less vibration and wear
- Less bearing/race contact
- Thicker film of oil for protection

### Lower Evaporation

- Leaves no gummy tars/deposits
- Eliminates the potential for oil leaks
- Smaller volumes of grease are needed

Base Oil Properties	Conditions	NYECORR 140	Test Method
Chemistry	-	PFPE / PTFE	-
Temperature Range	-	-20 to 250 °C	-
Kinematic Viscosity	40 °C	510 cSt	ASTM D445
Viscosity Index	-	135	ASTM D2270
Grease Properties			
NLGI Grade	-	2	ASTM D217
Oil Separation	24 h, 100 °C	4.1%	ASTM D6184
Evaporation	24 h, 100 °C	0%	CTM*

\*CTM: Company Test Method

# NYECORR 140

## COMMONLY ASKED QUESTIONS

Whether you are using an existing PFPE grease or converting from a conventional hydrocarbon oil system, FUCHS can help make the transition easier. Below are a few commonly asked questions about converting to NYECORR:

### Will seals be needed when converting to NYECORR grease?

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.

### What is the lubrication interval when using NYECORR?

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 ensure even distribution.

### Which units or bearings can be converted to NYECORR grease?

Almost any single facer can be converted to NYECORR grease with the exception of to some extremely old equipment. Upper and lower corrugator roll bearings, pressure roll, preheater and preconditioner roll bearings can also be lubricated with NYECORR.

### Our plant is currently using a more expensive brand of PFPE grease. Can we switch to NYECORR now?

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.

### When is the best time to change our single facer oil system over to NYECORR grease?

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

### What changes need to be made when converting a single facer or pre-heater from an oil system to NYECORR?

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.

Pack the new bearings and cavities with NYECORR before re-installing them into the housing or on the roll shafts. Finally, after assembly is complete and the equipment has reached a 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.

# Grease Color vs. Contamination

Grease Color	Contamination	Recommendation	Grease Consistency
White	None	Grease in good condition.	
Gray	0.0 – 0.1% iron	Grease is in good condition. Normal wear in bearing.	
Tan	0.1 – 0.4% iron	Add grease until cavity is full. Bearing OK.	
Brown	0.4 – 0.8% iron	Flush bearing with grease. Check bearing play for excess wear.	
Dark Brown	0.8% and higher	Check bearing for play and noise. If OK flush with grease. If bearing is NOT OK, schedule bearing change.	
Black		Replace bearing.	



FUCHS Lubricants

## Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.

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