



# NAMPAK PLASTICS EUROPE

Making food safety and equipment protection a priority with PURITY™ FG

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"After years of relying on Petro-Canada Lubricants' conventional lubricants, we switched to their high performing PURITY™ FG Food Grade product line to reduce the risk of food contamination. Our customers can be confident that their products are safe. As an added benefit, we have experienced cost savings as a result of the longevity of the oil." – Paul Noble, Head of Manufacturing, Nampak Plastics Europe

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## Nampak Plastics Europe

Nampak Plastics Europe made the choice to adopt food grade lubricants because they understand the potential contamination risks when using non-food grade lubricants. Nampak has reduced the risk of food contamination by choosing a lubricant product line proven to be plant tough and food safe to service their nine plants located in the UK. By relying on PURITY FG, Nampak is better able to focus on what it does best—producing eco-friendly, weight-sensitive containers for food and beverage manufacturing industries in their key markets.



### The Challenge

In food manufacturing, the risk of contamination from machinery lubricants is a serious threat to food safety. Nampak offers complete in-plant service for the design, implementation, start-up and production of the bottles that they produce at customers' filling sites in the dairy industry. This convenience offers customers easy access to Nampak's bottles, which can be transferred on-site and the bottles filled immediately.

Nampak wanted to switch to food grade lubricants to reduce this risk and become food grade compliant. "We recognized there was a risk and did something about it because we take responsible production very seriously," says Simon Short, Plant Manager.

Initially, they were uncertain about the equipment performance they would achieve using food grade lubricants compared to that of conventional lubricants.



### The Solution

Seeking reliable insights on the most appropriate lubricant to use, Nampak turned to its trusted authorized Petro-Canada Lubricants distributor, Lubricants South West, for advice. "Trusting your distributor is important," observes Short. "If you have that, and can prove results, the decision almost makes itself."

A best-in-class service provider, Lubricants South West recommended PURITY FG, a specially formulated food grade lubricant that is effective even under the most severe food processing conditions. Petro-Canada's advanced food grade machinery lubricant technology has proven that their products can perform as well as or better than many typical conventional lubricants. Nampak put it to the test.



### The Result

In a trial phase using PURITY FG lubricants, the temperature, flow and pressure conditions of their manufacturing equipment were measured. PURITY FG passed the trial by meeting all of Nampak's rigorous criteria and was adopted for use at all Nampak facilities. In the two years since converting to PURITY FG, Nampak continues to see excellent equipment performance attributed to the high quality of the oils with the reduced risk of food contamination in its processes.

Nampak now relies on oil analysis as opposed to scheduled draining, and has found the time between change-outs—at two years—to be almost double what it was previously. The longevity of the oil is a huge cost savings for the company.

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"When food grade lubricants first came on the market, people were skeptical," recalls Short.

"Petro-Canada Lubricants' PURITY FG product line has proven its performance."

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## About Nampak Plastics

Nampak Plastics Europe was formed in 1999 when two well-established UK blow-moulding companies—Plysu and BlowMocan—were merged by South African-owned Nampak. The company has since become the leading UK manufacturer and supplier of High Density Polyethylene (HDPE) containers, and has carved out a significant position in the dairy and juice bottle markets in the European, African and South African territories. An early adopter of food safety measures, Nampak is committed to being at the forefront in packaging innovation and is best known for its Infini bottle. Released in 2012, and identifiable through its unique, patented design – with the handle on the corner rather than on the side of the bottle – the Infini bottle is a lightweight, next-generation milk bottle that helps reduce waste and save carbon. Nampak has reduced the weight of the bottle by up to 20% and included up to 30% post-consumer recycled material. Nampak employs approximately 600 people across nine sites, and produces over 2 billion bottles per year.

## PURITY FG

PURITY FG is a complete line of lubricants that provide industrial strength protection for food processing and packaging applications. Resulting from more than 30 years' formulating experience, and using the HT purity process, Petro-Canada produces base oils found in PURITY FG products – 99.9% crystal clear base oils which are among the purest in the world. Effective under severe operating conditions – from food acids and juices to by-products and temperature swings – PURITY FG lubricants are formulated to provide longer lasting protection, excellent wear performance and, when it comes to greases, high resistance against water washout.

To learn more about how Petro-Canada Lubricants can help your business visit:

[lubricants.petro-canada.com](http://lubricants.petro-canada.com)

or contact us at [lubecsr@petrocanadalsp.com](mailto:lubecsr@petrocanadalsp.com)

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