

QUALITY LUBRICATES.



Anderol® CHAIN OIL XL 220 (FG)

High quality chain oil that offers outstanding performance for chain lubrication in high temperatures or dirty environments. Anderol® CHAIN OIL XL 220 (FG) offers extreme high thermal stability and low deposit formation which is the key to success in keeping chain links clean and extending equipment life.
anderol.com

X Anderol®

QUALITY WORKS.

LANXESS
Energizing Chemistry

ANDEROL® CHAIN OIL XL 220 (FG)

The most important property of a high quality chain oil for use in high temperature environments is its ability to keep the chain particles clean. Clean chain particles require the oil to have very low deposit formation or carbon build up and high oxidation– as well as thermal stability up to the temperature required in the application.

Anderol® CHAIN OIL XL 220 (FG) is available for both food grade and industrial applications that require a high quality chain oil for elevated temperatures.

Laboratory test results presented on the following page demonstrate the excellent solvency and thermal oxidative stability performance.

Performance properties Anderol® CHAIN OIL XL 220 (FG)

- High oxidation- and thermal stability up to 300°C
- High degree of solvency and low deposit formation
- Reduced fumes and odours
- High Flashpoint
- Low Volatility
- Very good lubricity
- Corrosion and rust prevention
- Anti-wear, anti-noise, anti-sticking
- Strong film strength

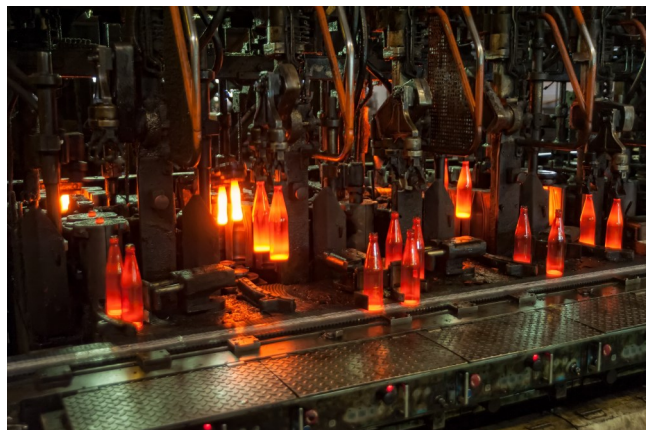
Applications and industries (examples)

Anderol® CHAIN OIL XL 220 FG

- High temperatures Bakery oven chains
- Pasta manufacturers
- Conveyor and drive chains exposed to high temp
- Beverage canning lines
- Meat and Poultry processing plants
- Snack food manufacturers

Anderol® CHAIN OIL XL 220

- Printing and (Car) coating operations
- Wood-forming industry (MDF pressing)
- Glass manufacturing
- Conveyor and drive chains exposed to high temp



TEST RESULTS

Petri scale test solvency, the ability to dissolve carbon build up

Anderol® CHAIN OIL XL 220 FG Competitor Anderol® CHAIN OIL XL 220

Fresh oil samples:



After 12 hours :



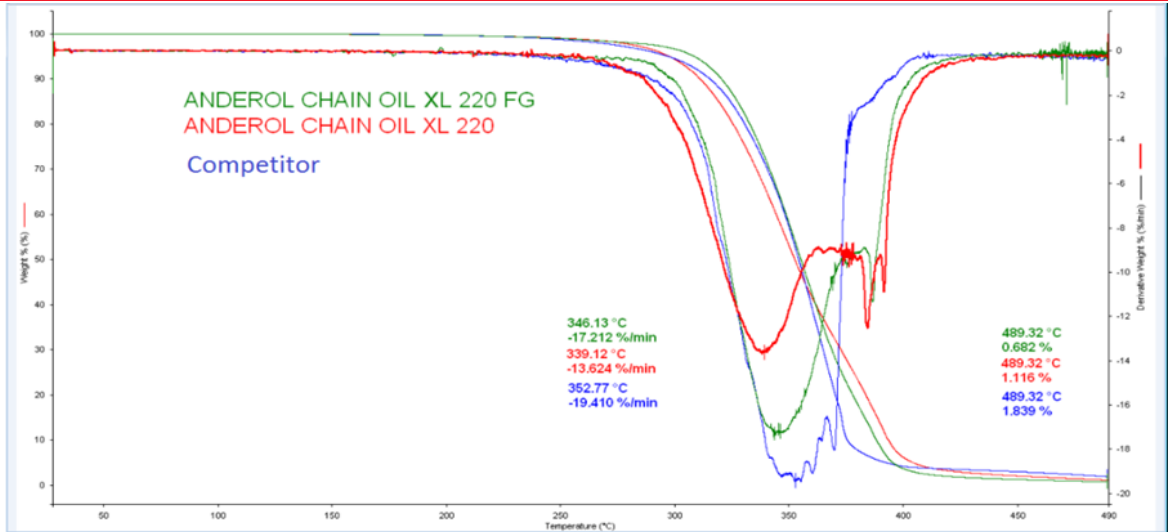
Anderol® CHAIN OIL FG XL 220 FG has the best solvency properties, while the competitors lubricant has complete carbon formation.

Panel Coker test 282°C, 22 hrs: solvency, carbon build up

Anderol® CHAIN OIL XL 220 FG Competitor Anderol® CHAIN OIL XL 220



Thermal oxidative stability TGA:



ANDEROL® CHAIN OIL XL 220 FG

SUCCESS STORY.

Anderol® CHAIN OIL XL 220 FG helps bakery increase production capacity and extend equipment life.

The challenge

A large bakery plant for toast, rusk and rye breads in the Netherlands was using a mineral-oil based chain lubrication for its chains at operating temperatures above 200°C. The lubricant caused contamination in the chains and had a low service life leading to costly production down-times. Moreover, machinery parts needed to be replaced frequently as chain particles were completely covered in deposits. In an effort to optimise performance, the company approached Anderol to identify a lubricant that offered a high degree of solvency and low deposit formation.

The solution

Anderol's specialist team recommended Anderol® CHAIN OIL XL 220 FG - a unique, high quality chain oil that offers outstanding performance for chain lubrication in high temperatures or dirty environments.

As well as high oxidation and thermal stability with low deposit formation, Anderol® CHAIN OIL XL 220 FG has strong detergency properties and prevents carbon build up.

The result

After switching to Anderol® CHAIN OIL XL 220 FG chains have remained clean with no deposit formation. The bakery plant has saved not only an estimated €20,000 in chain revision, but also a week's down-time. Production capacity has increased significantly, and the life of equipment was extended.





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Unless specified to the contrary, the values given have been established or standardized test specimens. The figures should be regarded as guide values and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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