

CASE STUDY

MOVING YOUR WORLD



Longer Oil Life and Reduced Downtime in Food Packaging Equipment

Application: Rotary Screw Compressors

Location: USA

Challenge

A leading provider of packaging solutions for the food industry was experiencing frequent equipment downtime due to the limited lifespan of their OEM food-grade oil. Operating under harsh environmental conditions, their two 125HP air compressors—with integrated air dryers and moisture removal systems—required oil changes every 3,000 hours or less. This resulted in increased labor costs, unplanned downtime, and overall inefficiency.

Solution

FUCHS Lubricants recommended a switch to CASSIDA FLUID CRE 46, an advanced food-grade synthetic compressor lubricant specifically engineered for rotary screw compressors. Formulated from carefully selected fully synthetic fluids and innovative additives, CASSIDA FLUID CRE 46 meets the stringent requirements of OEMs and the food industry while delivering exceptional performance in demanding environments. Its thermal and oxidative stability exceeds the performance of most modern rotary compressor oils available on the market.

Results

The transition to CASSIDA FLUID CRE 46 delivered immediate and measurable improvements:

Advantages

Excellent thermal & oxidative stability

Reduced oil consumption & extended service life

NSF H1 registered & Kosher and Halal certified

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- **Extended Service Life:** Some compressors now operate up to **8,000 hours** between oil changes—a **166% increase** over the previous oil.
- **Reduced Oxidation:** A consistently lower Total Acid Number (TAN) measured in oil analysis during service life indicates enhanced oxidative resistance and long-term performance.

Savings

The extended service life of our lubricant resulted in fewer oil changes, reduced labor requirements, and minimized downtime which translates into significant cost savings for the customer. Additionally, the extended service life of the product **reduced lubricant spend by 60%** for this application. Ultimately, our product pays for itself.

60%

reduction in lubricant costs

**166%
increase**

in service life

Increased

equipment protection