

Customer Testimonial



Monolec® Syn Industrial Oil (9100)

Independent Service Company – Memmingen, Germany

Vacuum Pumps

- Eliminated gelling of the oil
- Increased useful oil life from 1,000-1,500 hours to more than 7,000 hours
- Extended oil change intervals, which reduced staffing costs, oil consumption and downtime

Customer Profile

The customer is an independent service company. It custom builds heat treatments of a variety of materials in modern, fully automatic process controlled lines at its advanced hardening plant. The targeted heat treatment at the end of the production chain has a crucial influence over the quality of a component.

Application

- Vacuum pumps

Challenge

The oil in the hardening plant's vacuum pumps had to be changed every 1,000-1,500 hours due to it "gelling" on a regular basis. When the company had big rush jobs, this caused problems. Every six to eight weeks, the oil of 10 pumps had to be changed to avoid damage or unwanted machine breakdown.

LE Solution

LE's lubrication consultant recommended its Monolec® Syn Industrial Oil (9100) due to the possibility of eliminating gelling and substantially extending the drain intervals.

Monolec Syn 9100 is designed to prolong equipment life by combating the effects of high temperatures, contamination and loads that accelerate wear. It is a versatile synthetic lubricant that exceeds the requirements of a variety of industrial applications. It is formulated with high-viscosity 100 percent synthetic base oil and a specially developed additive package for applications running at extreme temperatures. The additive package provides outstanding thermal stability and rust and oxidation resistance as well

as wear resistance as pressures and temperatures rise. A foam suppressant completes the package. The base oil and additive formulation works synergistically to reduce wear, extend oil drain intervals, reduce oil consumption, and practically eliminate deposits and sludge formation, all while providing excellent compatibility with seals.

Results

The company confirmed the excellent performance of Monolec Syn 9100 after one year of use.

"After the last oil sample and oil analysis at 7,200 hours, we still had a good oil quality," the company representative said. "Thus, we have decided on an oil change of every one to one-and-a-half years. Now we can plan the change long in advance. A major advantage is that now we have only one-fifth of the work we had before, so we also achieved extra savings in staff costs."

Other LE Product Used

- Almasol® High Temperature Lubricant (1250)