

APPLICATION

Processing Presses

Food Manufacturer Triples Drain Intervals with LE's Hydraulic Oil

CUSTOMER TESTIMONIAL

International Food Sauce Manufacturer

CHALLENGE

Extend the life of hydraulic oil in the processing presses

SOLUTION

Quinplex® Synthetic Food Grade Oil (4046)

RESULTS

- Increased oil life from two years to six years
- Extended drain period, resulting in a reduction of hydraulic oil that had to be disposed of by more than 4,000 litres

Customer Profile

A European based manufacturer of various food sauces has had a large Dutch plant since 1997.

This state of the art plant in the Netherlands manufactures soy sauces for a number of European markets including Germany, France, UK & Scandinavia.

Application

The plant has six large 10,000 ton presses to process the soybeans into sauce. The first three presses produce an initial rough bean product, and the final three presses complete the manufacturing process.

All six presses are controlled by two large 1,000 litre Bosch Rexroth hydraulic systems.

Challenge

The plant previously used a major brand hydraulic oil in their press hydraulic systems, which they had to change every 18-24 months.

Solution

The local LE distributor recommended Quinplex Synthetic Food Grade Oil (4046) for its high performance and long life.

Results

Since switching to Quinplex Synthetic Food Grade Oil (4046), the plant has been able to avoid two additional oil changes, as well as eliminate the need to dispose of 4,000 litres of used hydraulic oil.

Regular oil analysis has shown that Quinplex 4046 is still in excellent condition after this extended drain period.

Since the lubricant conversion, the average oil life has been dramatically increased by three times to approximately six years, instead of every two years.



Other LE products used:

- Almasol® High Temperature Grease (1250)
- Quinplex® H1 Food Machinery Grease (4024)
- Quinplex® White Oil (4030)
- Quinplex® Penetrating Oil & Lubricant (4059)
- Quinplex® White Gear Oil (4090)
- Quinplex® White Gear Oil (4250)

Thank you to John Van Den Berg, LE lubrication consultant (pictured), for providing the information used in this report.



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L170922 08/16



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