INDUSTRIAL LUBRICANT

Critical to all types of industrial processes, lubricants and oils require precise blending and gentle handling. When a major UK manufacturer of lubricants approached Verder for an answer to their pumping problems, the perfect solution was found.

Process points

A prominent manufacturer of advanced oils and industrial lubricants was suffering high energy costs and short cycles between planned maintenance for its pumping system.

The existing system was a series of centrifugal pumps, each with a 4kW motor handling a lubricant mix with anti-foaming additive at 220cPs. The viscosity was too high for the closed impeller design and causing the pump to overwork.

The manufacturer approached Verder to obtain a pumping solution which would lower energy costs and increase the mean time between maintenance.

At first, the manufacturer suggested a gear pump as the pump would easily handle the viscosity and have a gentle, pulse-free, low-shear action. However, this solution was discounted as the initial purchase price deemed much higher than the pump that Verder recommended.

The solution

Verder installed a Verderhus screw-channel pump. The Verderhus has an open channel impeller with a cork-screw like design which is fitted flush to a tapered cone volute.

For the manufacturer this had the following advantages

- The pump was a smaller size with just a 1.25kW motor.
- The fluid was handled easily by the pump as the open impeller design allows the passage of fluids up to 3000cPs, even with solids.
- The pump is very reliable as the fluid actually 'disperses' through the cone volute, reducing wear.

The manufacturer was so pleased with the Verderhus pump's handling of the lubricant that a further 7 Verderhus pumps have been installed across the plant.

VERDER

passion for pumps