

PumpAction..... Issue 23

CASE STUDY

Kelair's Kral constantly capable at Gosfern

Gosfern, based on the Central Coast of NSW, is a successful engineering company with offices in Singapore and the USA. It is a respected innovator in its field, specialising in burner management system applications, and process control system applications. Gosfern also serves diversified industries including power generation, pulp and paper, sugar mills and mineral processing.

For over two years, Gosfern has been successfully using the Kelair-supplied Kral Triple-Screw pump for a number of diesel fuel-feed projects. The Kral Triple-Screw is ideal for this low-lubricity diesel fuel application, for supply at high pressure constant feed.

The offshore floating oil production market is just one of the industries Gosfern serves. An example is a Floating Storage and Offloading facility (FPSO), which is a converted oil tanker that draws oil and gas from subsea fields for processing and offloading. Gosfern carries out deck and engine-room boiler conversions and installations and is even able to convert the crude oil to distillate oils for use in turbines, diesel generators and as boiler fuel.

The application for which the Kral pump is used is typically diesel fuel with working pressures up to 25 Bar, with a design pressure up to 30 Bar. Kelair selected a pump with a capability of 40 Bar, which is well within Kral's maximum capability of 100 Bar delivery at the pump discharge.

Also the low viscosity of the diesel fuel, ranging from 2 to 5 cSt, posed a lubricity problem for the internal



components of other pump types. Kral, however, has overcome this problem with a special treatment on internal components to allow for such a low level of lubrication from the fluid, and the pump has proven itself to be an excellent fit for this duty.

Kral pumps are suited to applications such as diesel fuel oil feed, heavy fuel oil transfer, marine loading and unloading services. Lube pump applications, and Mag Drive pumps are available for Isocyanate applications.

A particular advantage with the Kral pump is its capability to transfer oil even when cold and more viscous, thus producing higher discharge pressures well beyond the capability of its competitors.

Kelair Pumps is the authorised Australian distributor for Kral products.

- For further Kral product information visit our website www.kelairpumps.com.au