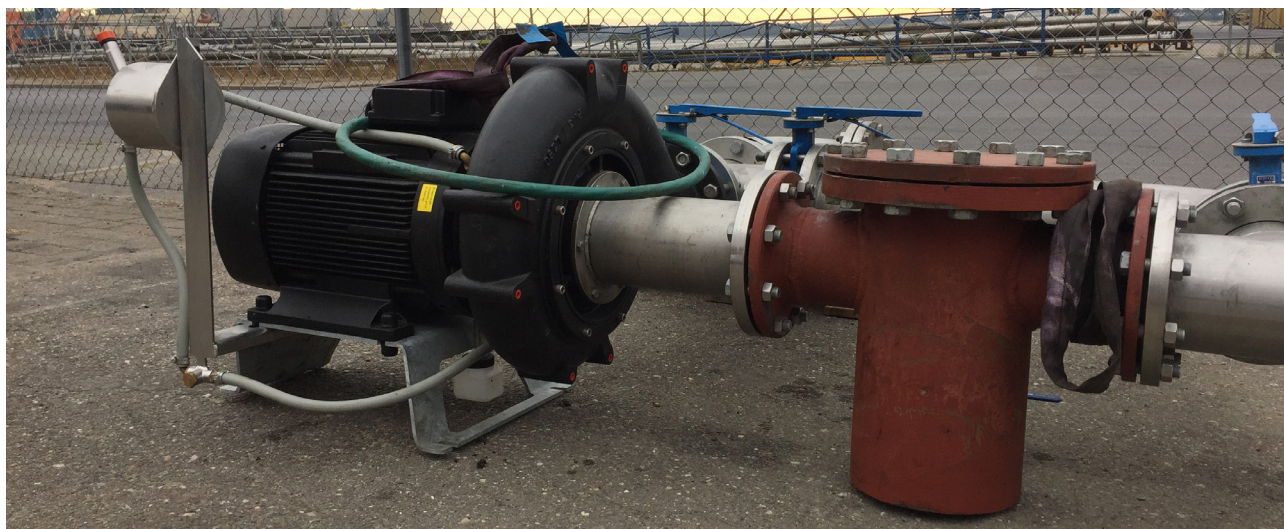# Landia Chopper Pumps get shipping company out of deep water

Friday 16 February 2018

At the Danish deep-water port of Fredericia, close to the international route of the Great Belt, a Landia chopper pump has enabled a shipping company to complete a crucial delivery of PFAD (palm fatty acid distillate).

Following a major fire at the port, Nagro A/S urgently needed to transfer the distillate from a 2700 m3 (600,000 gallons) tank (via a 300m long, 6"pump line) to a ship that was on its way to the strategically vital strait between Denmark's major islands of Zealand and Funen.

For a total head of 24m, maximum reliability and high (minimum 150 m3h) flow was essential (not just at the pump). Short delivery time was also critical to avoid the huge expense of the ship unnecessarily docked on standby.

Landia's Jacob E. Holdgaard, commented: "Nagro A/S has been using our mixers for almost 16 years, without any problems whatsoever. The timing and performance of this urgent new installation was extremely important, but we were very confident with the capability of our 30kW MPTK Chopper Pump".

He added: "It is purpose-built for for pumping heavily contaminated fluids, including those with a high solids content. The knife system at the pump's inlet ensures hassle-free operations under conditions in which many other pumps have problems with clogging. Naturally, we were very pleased to be able to protect our customer from what could have been an extremely costly delay".

Since 2002, Nagro A/S have purchased a Landia POD-I mixer, plus twelve Landia POPTR-I side entry-mixers.

Designed for mixing fluids such as sludge, digested biomass or fish silage, the Landia POPTR-I uses relatively low revolutions per minute. Mounted through the side of a tank wall (concrete or steel), which means that all service and maintenance can take place outside, the tank does not need to be emptied, nor the mixer lifted out of the tank. In addition, the Landia POPTR-I can also mix very hot fluids, because the electric motor benefits from optimal cooling conditions.

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