



Case Study

No Wear for Green Liquor Dregs Pump

Metsa-Botnia Oy, Finland

After eight years of trouble-free operation, the Discflo pump at the Metsa-Botnia mill finally needed a replacement part. This wouldn't be surprising if the pump were pumping water, but this Discflo unit was handling one of the toughest fluids in paper manufacture – green liquor dregs (aka tall oil soap).

Previously, the company used a conventional centrifugal pump in this 24 hour application. Due to abrasion from the green liquor, it had to be repaired every six months during the planned biannual shutdown at the plant. When the Discflo pump was first installed in August 1995, the maintenance manager would routinely open the pump during planned maintenance. However after the third time of finding no wear, he left the Discflo pump alone. The pump was finally opened in July 2003, and although the Discpac was worn, it was still operating. More surprisingly, the bearings and the seal were still working perfectly with no signs of wear.

Metsa-Botnia's operations manager, Kalevi Koikkalainen, is naturally very pleased with the Discflo pump's performance. He made this comment to our Finnish distributor, Puwimex Oy who sold him the pump: "You told me that this pump was good and wouldn't wear out... well, it has really fulfilled all your promises."

Call Discflo now to find out how our pumps can solve your problems.

The Challenge

Regular repairs from abrasion damage and wear

Viscous, abrasive fluid

The Discflo Solution

No pump repairs or maintenance required in 8 years' service

Discflo 'non-contact' design good for abrasive and viscous fluids

No wear to bearings and seal in 8 years' service



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