

# Fluitec Case Study



## Indonesia | Major Pulp & Paper Manufacturer

Estimated ROI

**420%**

### Problem

A Calendar roll at a major pulp and paper manufacturer in Indonesia experienced pressure control valve failures due to the build up of deposits from oil degradation products. This would affect the quality of their finished products causing wastage, low productivity and losses in production.

### Solution

Fluitec's partner, PT Karya Prima Nusa (PKN) worked alongside PT ExxonMobil Lubricants Indonesia (EMLI) to investigate the root causes of failure for this equipment through oil analysis and on-site analysis. They used Mobil Solvancer to clean the insides of the equipment and then replaced the existing oil with Mobil DTE 10 Excel 100.

### Results

EMLI and PKN identified deposit accumulation in the machine's servo valves, which disrupted valve function and impaired pressure regulation. The issue was attributed to extended oil drain intervals, causing oil degradation and subsequent deposit formation.

Mobil Solvancer was introduced into the system along with the existing oil to dissolve internal deposits. After circulation, the contaminated oil was drained and the system inspected. As evidenced in the photo below, Mobil Solvancer effectively removed all deposits. A fresh charge of Mobil DTE 10 Excel 100 was then added, and no further issues have been reported since.

<b>Client:</b>	Major Pulp & Paper Manufacturer
<b>Country:</b>	Indonesia
<b>Application:</b>	Hydraulic Press
<b>Estimated ROI:</b>	420%
<b>Solution:</b>	Mobil™ Solvancer®