Oil Filtration Systems
INDUSTRY

Lube Oil - Paper Machine

CJC™ Application Study

Application Study written by:

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CUSTOMER

NorskeCanada, Elk Falls Division in Campbell River, BC, Canada.

THE SYSTEM

Machine type:
Paper machine bowser lube system.
Oil type: 12,000 litres of Chevron CLARITY 220 ISO VG220.

THE PROBLEM

Poor oil quality led to a reduction in the bearing life expectancy. Initial ISO code was 22/21/18 (2/5/15 µm); target cleanliness level was set at 19/16/13. Water ingress was also a problem, though they already had a vacuum dehydrator installed to help dry the oil.

THE SOLUTION

A **CJC™ FineFilter HDU 2*27/108 GP-EPT** was selected to bring the oil down to the target cleanliness level. This unit was fitted with a GP-33-4 pump at a flow of 3,200 litres/hour. We chose a **CJC™ FilterInsert BLA 27/27** for its ability to handle excessive water concentration.

THE TEST

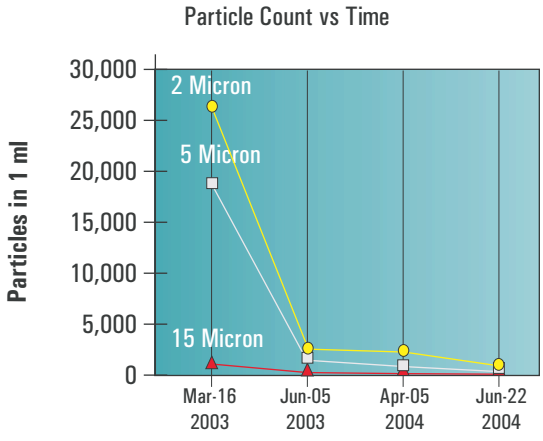
Oil samples were taken prior to installation, and sent to the laboratory for analysis. Samples were then taken at regular intervals, and the results compared.

THE RESULT

The sample results show a dramatic improvement in the first three months; particulate levels dropped to 18/17/14 as the oil quality improved. The subsequent months show a more gradual improvement, highlighting CJC's ability to actually clean the inside surfaces of the lube oil system (valves, hoses, etc.) by circulating clean oil. The most recent laboratory results indicated an ISO code of 16/14/11, roughly 1/100th of the initial particle count.


HDU 2*27/108 GP-EPT

OIL ANALYSIS



THE RESULT

Sample Date	Mar-16 2003	Jun-05 2003	Apr-05 2004	Jun-22 2004
ISO Code:	22/21/18	18/17/14	18/16/13	16/14/11

ASIN5062-US
Paper & Cellulose
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