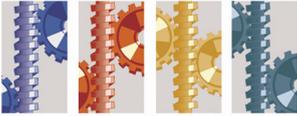




OIL FILTRATION SYSTEMS

CJC™ Application Study

Wall Ironing Machines, Lubrication Oil



INDUSTRY

Application Study written by:
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CUSTOMER

Continental Can Benelux BV, NL
(formerly Thomassen & Drijver
Verblifa, now part of Schmalbach)

THE SYSTEM

Machine lubrication oil for Wall
Ironing Machines (manufacturing of
cans by means of ironing steel plate).
Machines: Alcoa/Ragschale type
CR24 & CR26,5. Oil: Mobil Vactra
Extra Heavy

THE PROBLEM

Prior to the installation of CJC™
equipment oil cleanliness levels were
typically 22/20/17 (ISO) and >2%
water content.

The high volume of emulsified oil
made it unfit for further use. The high
surrounding temperature also accel-
erated the bacteria growth.

The yearly oil consumption was
approximately 80,000 ltrs.

THE SOLUTION

A purpose built unit was installed con-
sisting of a dual tank **D38 Desorber**
along with an **HDU 2x27/54 P Fine
Filter** unit with a flow rate of 1,400
ltr/hr, (fitted with **CJC™ B type ele-
ments**). The unit was also fitted with
an automatic water content monitor.

Oil is collected in drip trays and
pumped to a storage tank (1,000 ltrs.)
The oil is then pumped through the
D38 Desorber to remove the water.
Once the water monitor indicates
<300 ppm the oil is then transferred
through the Fine Filter for particle
and resin removal.

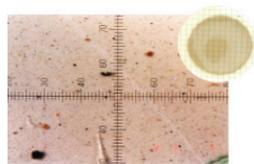
THE RESULTS

Due to the success of the CJC™
equipment Continental Can reduced
the net consumption of oil to 30,000
ltr/year, thus saving 50,000 ltr. of
oil/year.

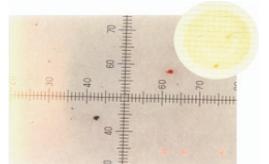
Depending on the oil price typical
savings can be EUR 68,340.



The CJC treatment unit at Continental Can



Before



After

	Particle count Acc. ISO 4402	Water content	Approx. annual cost Euro
Before	22/20/17	>20,000 ppm	134,320
After	17/15/12	51.8 ppm	65,980



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