



CLEAN OIL
BRIGHT IDEAS

Hydraulic Oil Plastic Injection Moulder

CJC™ Application Study

Application Study
written by:

Jan Foged
C.C.JENSEN A/S
Denmark

In cooperation with:

Mr. Hans Vermeij
DPI, Dielco Plastics Industrie
The Netherlands

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DPI

CUSTOMER

DPI, Dielco Plastics Industrie, Geldrop,
the Netherlands.

THE SYSTEM

Hydraulic system, oil volume 1300 L.

Machine: Stork ST4000-550, Engel plastic
injection moulders.

Oil type: Total Azola 68.

THE PROBLEM

An oil sample showed a high content of resin,
causing difficulties in the oil system. The com-
pany wanted to change the oil due to the very
high resin content, but analyses of the chemical
properties of oil and additives proved the oil was
in good condition for further use.

THE SOLUTION

A **CJC™ HDU 27/27 P-EM Fine Filter** with a
CJC™ B27/27 Filter Insert and a P-19-6 pump
was installed.

THE TEST

The aim of the test was to see if the resin could
be removed so that the oil did not have to be
replaced.

THE RESULT

Approximately four weeks after installation of
CJC™ Fine Filter, we replaced the first filter in-
sert. The resin content was still very high.

After five months the resin had been reduced so
much that the laboratory report concluded the
ISO code to be 12/11/8 - still with resin in the
oil, however.

After seven months of filtration the resin had
been removed. The cleanliness level was now
13/12/8, and the water content had been re-
duced from 185 ppm to 64 ppm.



DPI, Dielco Plastics Industrie Plant

OIL SAMPLES

