



**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

