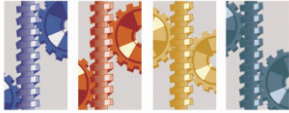




OIL FILTRATION SYSTEMS

CJC™ Application Study

Hydraulic Oil - Plastic Injection Moulder



INDUSTRY

*Application Study
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2003



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: TotalAzola 68.

THE PROBLEM

An oil sample showed a high content of resin, causing difficulties in the oil system. The company 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

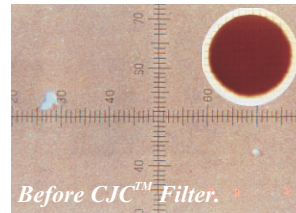
Approximately four weeks after installation of CJC™ FineFilter, we replaced the first filter insert. The resin content was still very high.

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.

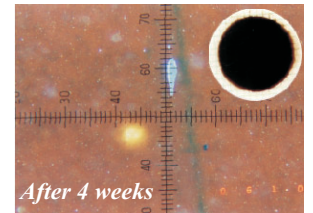
After seven months of filtration the resin had been removed. The cleanliness level was now 13/12/8, and the water content had been reduced from 185 ppm to 64 ppm.



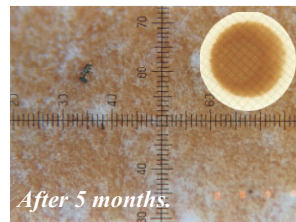
DPI, Dielco Plastics Industrie Plant



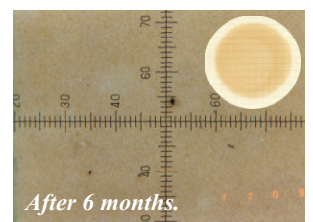
Before CJC™ Filter.



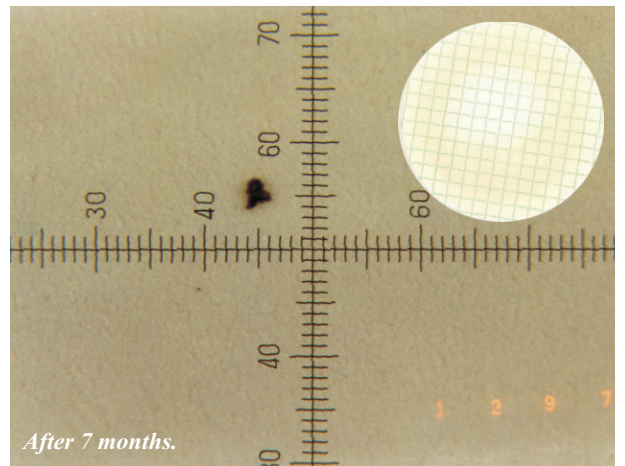
After 4 weeks



After 5 months.



After 6 months.



After 7 months.

