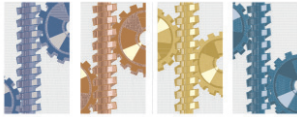




OIL FILTRATION SYSTEMS

CJC Application Study

Plastic Injection Moulding Machine - Hydraulic System



INDUSTRY

Application Study written by
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CUSTOMER

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THE SYSTEM

STORK Plastic Injection Moulding Machine type SX 3000/2100, each with approximately 720 L of Shell Tellus ISO VG 46 oil.

THE SOLUTION

A **CJC™ Fine Filter** was installed, type HDU 27/27 P (stationary filter with a **pump** flow of 400 L/h), using one **CJC™ Filter Insert**, type B 27/27, 3 micron absolute, i.e. 98.7% of all solid particles $\geq 3 \mu\text{m}$ and approximately 50% of all particles $\geq 0.8 \mu\text{m}$ will be retained in one pass.

The CJC™ Filter Insert is capable of absorbing both oxidation products, solid particles and water. The dirt holding capacity is 4 L.

THE TEST

The Fine Filter unit was installed on the machine in 1993, when the machine was set up at the Wavin premises in Buk. Wavin have CJC™ Filters on all their machines.

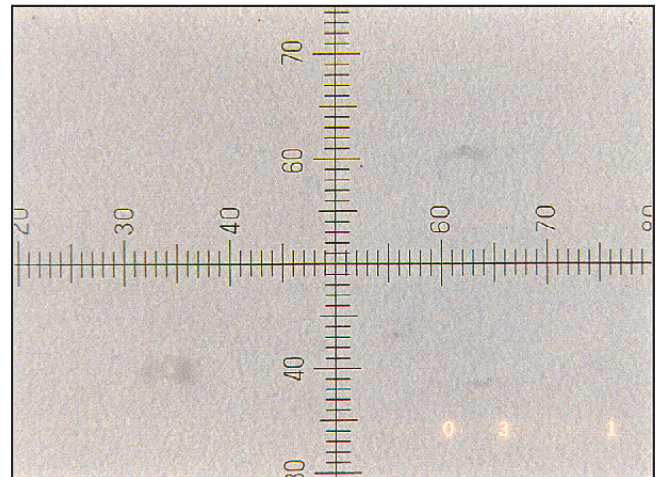
The oil samples were taken through a sampling point before the CJC™ Filter.

The oil on this machine has not been changed since october 1997 and the condition of the oil is still excellent.

The filter inserts are replaced once a year.



At Wavin Metalplast in Buk, Poland all STORK plastic injection moulding machines are equipped with CJC™ Fine Filters.



The oil analysis were performed by Filtrex Services, Hoorn, The Netherlands. For further information on test results and CJC™ Oilcare Units, please contact C.C.Jensen A/S, Filter Sales Dept.

RESULTS

Hydraulic System on STORK Plastic Injection Moulder			
	>2 micron	>5 micron	>15 micron
No. of particles/100 mL	4874	2693	513
ISO 4406 Class	13/12/10		
NAS 1638 Class	4		
Colour of membrane	White		
Water content	46 ppm		



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