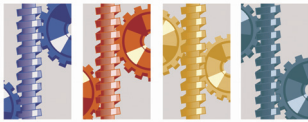




**C.C.JENSEN**

OIL FILTRATION SYSTEMS



### INDUSTRY

*Application Study written by  
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(DK)*

# CJC™ Application Study

## Quench Oil

### CUSTOMER

Teeness AS, Trondheim, Norway,  
Manufacture of drill heads for the oil  
industry.

### THE SYSTEM

IBSEN Quench Oven with an oil vol-  
ume of approximately 1,000 liter. Oil  
type: ISO-Rapid 277 HM

### THE PROBLEM

The primary problem was that when  
the oil had been in use for approxi-  
mately 12 months the treated items  
got black spots on their surfaces.

The reason for that was that free car-  
bon deposits, developed during the  
treatment, bonded to the surface. To  
avoid this it was necessary to change  
the oil after some months.

### THE SOLUTION

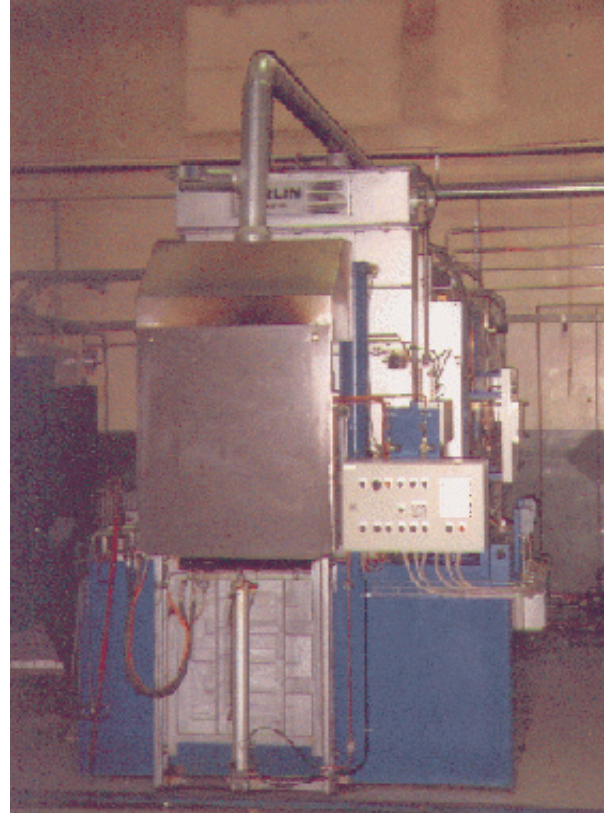
**CJC™ Fine Filter** type HDU 27/108  
PM with a 120 ltr./h pump for circula-  
tion of the oil in the oven. For particle  
removal a **CJC™ Filter insert** type A  
4 x 27/27 (3µ abs.) is fitted in the filter  
unit.

The cellulose based element is capable  
of absorbing both water and carbon  
deposits from quench oil constantly  
ensuring dry and clean oil.

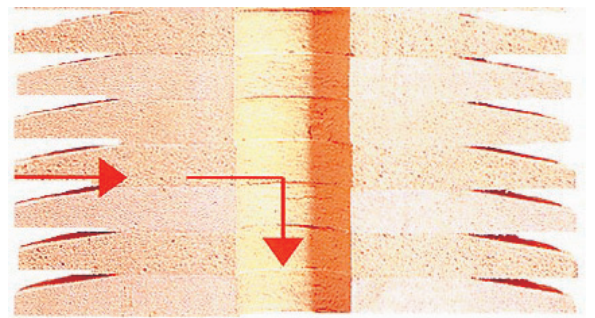
### THE RESULTS

Old and used quench oil was pumped  
into a container for settling and fil-  
tered back into the oven. The filter  
was installed for continuous  
recirculation of the oil in the oven.

Since the installation the oil has been  
in use for 2.5 years, and the hardened  
items still look excellent. Yearly sav-  
ings: EUR 3,100-3,700.



*Teeness AS, Trondheim, Norway, CJC™ Fine Filter type  
HDU 27/108 PM*



*Cut through of CJC™ Filter Insert.  
All CJC™ Filter Inserts are depth filters filtering from the  
outside in.*

### COMMENT

**Olav Harøy, Teenes:** *"The filtration with CJC has led to a  
improved surface finish of the treated items and savings on  
the oil"*



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