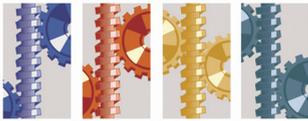




C.C.JENSEN

OIL FILTRATION SYSTEMS



INDUSTRY

*Application Study written by
Steffen Buhrkal, C.C. Jensen A/S
(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

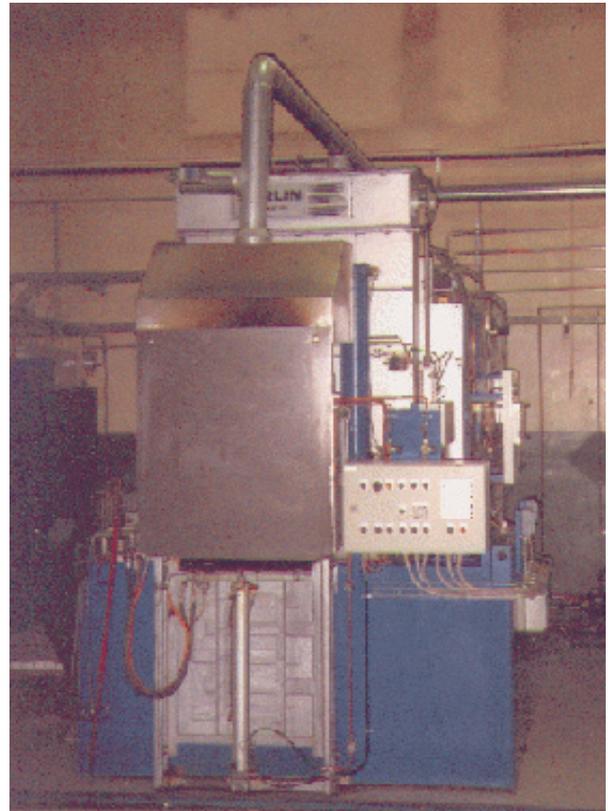
CJC™ Fine Filter type HDU 27/108
PM with a 120 ltr./h pump for circula-
tion of the oil in the oven. For particle
removal a **CJC™ Filter insert** type A
4 x 27/27 (3µ abs.) is fitted in the filter
unit.

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

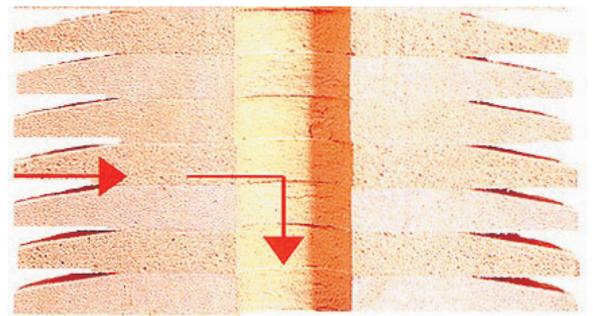
THE RESULTS

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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