

CJC[™] Fine Filter

Solutions for removal of particles, absorption of water, adsorption of oxidation by-products and varnish from oils







Intended for:

Gear Oils
Transmission Oils
Hydraulic Fluids
Various Lube Oils
Quenching Oils
Heat Transfer Oils

Esters
Water Glycols
Insulating Oils



Application examples: Light and Heavy Industries, Power Stations, Wind Turbines, Mining







The Problem

80% of all breakdowns in oil systems are related to contamination of the oil





The Solution

Clean oil through off-line filtration and highly qualified technical back-up

The CJC[™] depth filter insert has a very large dirt holding capacity. CJC[™]

Filters are therefore almost maintenance free and have low operation costs.

All CJC[™] Fine Filter Inserts have a 3 µm absolute filtration ratio and will

CJC™ Off-line Fine Filters fit all oil systems

HDU 15/25 PV





/27 P liced)

HDU 27/54 P



HDU 2x27/ 108 P GP-EPT



HDU 427/ 108 P





Removal of Particles Particles down to 0.8 µm are retained in the filter mass



Absorption of Water The cellulose fibres in the filter mass absorbs the water



Contamination Sources are now under control:

Air Vent

Contamination can be reduced by adding an Air/Silica Gel filter

Internal Environment

Water still condensates in the oil reservoir but with the CJC[™] Fine Filter installed it is removed before it reaches the oil system

Oil Reservoir

Clean oil from the CJC™ Fine Filter is pumped into the oil reservoir - ready to be used in the system

Water Produced by Oil Degradation

The risk of developing water, acids, and oxidation by-products has been considerably decreased

Rust/Corrosion

Contamination is still being created but is removed by the CJC^{TM} Filter Insert

Resins and micro particles are now practically gone from the bottom of the oil reservoir



Millipore membrane Sample taken **after** off-line

Adsorption of Oxidation By-Products Resin in the oil is attracted to the polar sites of the filter mass and are retained there

filtration



The Result

Less maintenance, increased productivity and lower energy consumption

The benefits that you can achieve when implementing CJC™ Off-line Fine

Filters will have a positive effect on your maintenance budgets as well as

increasing your productivity and lowering your energy consumption.

Oil samples taken before and after installation of a CJC™ filter



Oil sample taken before installation of the CJC™ Fine Filter



Economical consequences of oil maintenance

Less Maintenance

- Less wear and increased lifetime of components and oil
- Longer time between service intervals
- Longer lifetime of in-line filter inserts

Increased productivity

- Fewer unplanned breakdowns and stops of production
- Enhanced operational precision

Lower energy consumption

- Lubricating capabilities remain intact
- Reduced friction
- Efficiency is maintained
- Viscosity index is kept stable
- Pressure loss over in-line filters is reduced (only by use of off-line fine filters)

- all advantages adds to increased profit



Oil sample taken after installation of the CJC™ Fine Filter

The cleanliness level achieved and maintained by off-line filtration means that the predicted lifetime of machine components and oil is expected to be extended by a factor of 2-10





Key features of the CJC™ Fine Filters

The CJC[™] Fine Filter

The CJCTM Fine Filter is of simple design and almost maintenance free

The CJCTM Fine Filters are depth filters for hydraulic and lubricating oils to all sizes of oil systems.



A used sliced through filter insert (sliced half way down) showing the large dirt holding capacity



any applications and requirements

The CJC™ Filter Insert Modular System

means that a CJC™ Fine Filter can be designed to fit



Insert 3 x27/27 (27/81)

Insert

4x27/27

(27/108)

Insert 4 x4 x27/27 (4x27/108)



C.C.JENSEN all over the World

The CJC[™] Off-line Filters are distributed by our own international sales organisation and designated distributors

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	Your local CJC™ distributor

We are represented all over the world by distributors. Find your nearest distributor on our website: www.cjc.dk - or give us a call.



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Oil

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