

## **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



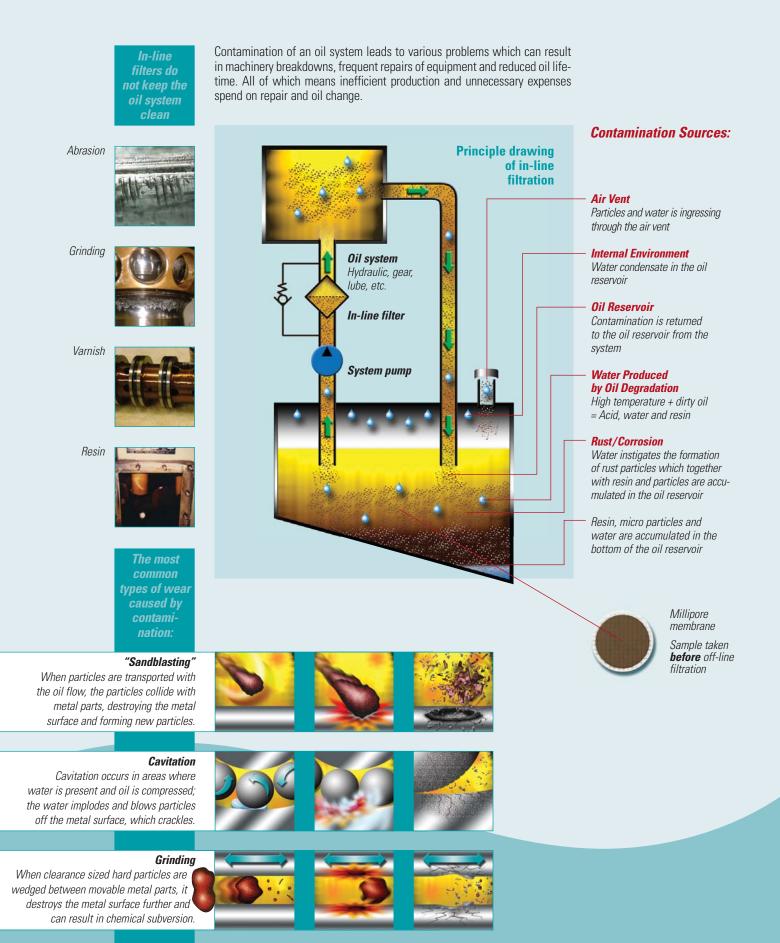
Application examples: Light and Heavy Industries, Power Stations, Wind Turbines, Mining





## **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<sup>™</sup> depth filter insert has a very large dirt holding capacity. CJC<sup>™</sup>

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





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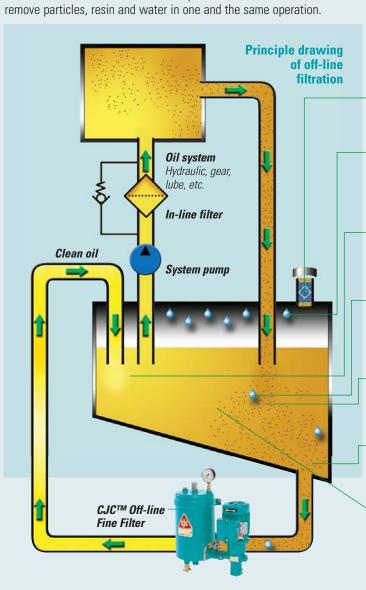
HDU 27/54 P



HDU 2x27/ 108 P GP-EPT

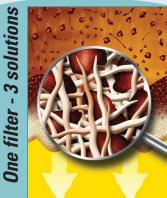
> HDU 427/ 108 P





**Removal of Particles** 

Particles down to 0.8  $\mu m$  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<sup>TM</sup> 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  $CJC^{\text{TM}}$  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**

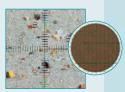
Less maintenance, increased productivity and lower energy consumption

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

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### **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

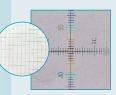
### **Increased productivity**

- 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





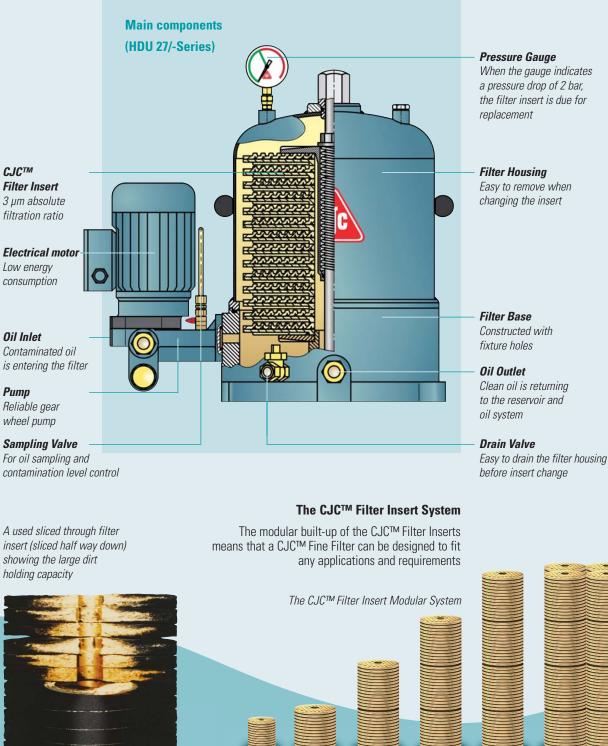


Key features of the CJC™ Fine Filters

### The CJC<sup>™</sup> Fine Filter

The CJC<sup>™</sup> Fine Filter is of simple design and almost maintenance free

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



Insert

15/25

Insert

27/27

Insert

2x27/27

(27/54)

Low energy

Insert 3x27/27

(27/81)

Insert

4 x27/27

(27/108)

Insert

4x4x27/27 (4x27/108)



# C.C.JENSEN all over the World

The CJC<sup>™</sup> Off-line Filters are distributed by our own international sales organisation and designated distributors

*СЈС™* stands for reliable supply all over the



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Clean

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