



C.C.JENSEN all over the World

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

CJC™ stands for reliable supply all over the world



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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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Clean Oil - Bright Ideas



Case: The J. Lauritzen Company

The J. Lauritzen shipping company has solved the problem of expensive crane breakdowns by buying simple oil filters



Ole Svendsen
Senior inspector of the J. Lauritzen company

“ This [investing in CJC™ oil filters] saves us money, but it is also advantageous for the environment ”

Clean Oil - Bright Ideas





Small investment benefits both the environment and competitiveness

The J. Lauritzen shipping company has solved the problem of expensive crane breakdowns by buying simple oil filters

The small and simple CJC™ Fine Filter has provided the solution to a costly problem for the shipping industry. Crane breakdowns and poorly functioning hydraulic hatches are expensive and can create problems for both employees and the environment.

But when the J. Lauritzen shipping company discovered the effect of oil filters, they invested in filters for each of their current nine reefer vessels.

In the years 1995 to 1999, just one of the ships suffered no less than four crane breakdowns. Each time it required a ten-hour repair, the replacement of 1,000 litres of oil, and a number of spare parts. The waiting time at the quay also meant expensive harbour fees.

In all, each breakdown cost the company an average of approximately DKK 50,000. "Since we installed CJC™ Fine Filters on the cranes of all reefer vessels in 1999, we have had just one crane breakdown," said senior inspector Ole Svendsen of the J. Lauritzen company. The DKK 10,000 investment in filters has given a rapid and noticeable ROI.

Several advantages

The crane suppliers wondered at the low number of spare hydraulic parts ordered by the shipping company, but as oil analyses had shown good results, it could be concluded that the lifetime of the components had been markedly increased. The shipping company could also cut down on its spare parts reserves and instead make room for more oil filters.



Ole Svendsen
Senior inspector of the J. Lauritzen company

"Another area was the heavy, hydraulic hatch covers, which had been causing us problems for several years," said Ole Svendsen.

"The covers only opened two-thirds of the way, so we had to manage the rest manually. But once we fitted the filters and the oil was kept free of dirt and oxidation particles, the hatches opened automatically once again, just as they should."

Today, the filters are fitted wherever there is hydraulic equipment on the ships, as with the increasing level of competition, automation is an important competitive parameter.

Important for the environment

Another highly significant factor for the J. Lauritzen shipping company was environmental concerns. Here, the investment in filters has produced a noticeable difference.

J. Lauritzen carries out ongoing analyses of the amount of particles in the oil, and as long as this proportion does not increase, the oil does not need to be changed.

"We used to perform regular oil changes as part of our maintenance, but now we have not changed the oil in most of the equipment since we installed the filters almost nine years ago," said Ole Svendsen.

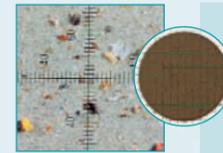
"This saves us money, but it is also advantageous for the environment. It is very important, both for us as a responsible shipping company, and for our customers, to protect the environment as much as possible."

The J. Lauritzen shipping company is one of the major Danish ship-owners

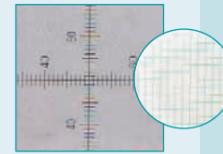


Water and particle free oil through off-line filtration and separation

80% of all breakdowns in oil systems are related to particle and water contamination of the oil - and can be avoided



Oil sample taken **before** installation of the CJC™ Fine Filter



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

A CJC™ Fine Filter (sliced)



You will experience less maintenance, fewer unplanned breakdowns and lower energy consumption through CJC™ Off-line filtration

Efficient maintenance of oil is a common - and costly - problem in the marine sector. However the wide range of CJC™ Off-line filters can solve the problems here and now.

Implementing CJC™ Off-line Filters will have a positive effect on your maintenance budgets as well as increasing your productivity, lowering your energy consumption - and benefit our environment.

One filter - 3 solutions

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



Adsorption of Oxidation By-Products

Resin in the oil is attracted to the polar sites of the filter mass and are retained there

