



Clean Oil is a Must

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Ivan Seistrup
Vice President
Technical Vessel Operation



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Clean Oil - Bright Ideas





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A zero-error culture is essential at Maersk Supply Service, as the shipping company's vessels and crew operate worldwide, far away from any help.

For example, the technologically advanced crane vessels must be able to hold objects weighing up to 300 tonnes absolutely still at the bottom of the sea, 1½ kilometres below the vessel. This requires efficient technology and expert crews on the vessels.

"Clean oil is crucial," states Ivan Seistrup, Vice President of Maersk Supply Service, who has the responsibility for the operation of the technical vessels.

"Oil itself can last for ever, but the microscopic fragments from wear of the equipment can put a vital part out of operation, and this can result in large sums in repairs and lost income. To avoid this risk, we have put CJC filters on most hydraulic systems within the whole fleet," he says.

There are between 15 and 50 filters installed on each vessel, depending on its type.

Advancing together

10 years ago, Ivan Seistrup was the driving force when Maersk Supply Service began to test hydraulic oil together with the Danish Technological Institute, in order to solve a problem with oxidation. It turned out that a filter from Danish C.C.JENSEN could solve the problem, and since then Maersk Supply Service and C.C.JENSEN have developed several special solutions together.



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"C.C.JENSEN was one of the first to continuously filter out water without changing filter inserts, which is absolutely crucial for achieving optimum operation. If you have no control over this process, you risk having to dock a vessel," notes Ivan Seistrup.

"We have a good co-operation, and it is an advantage that the staff at C.C.JENSEN knows all our vessels and our working procedures," he says.

At present, the two companies are working on a very complicated development project in relation to an early warning system on all hydraulic equipment in the fleet. It is an important tool, so just like with cancer, you can intervene before the problem accelerates.

A worthwhile investment

Maersk Supply Service's investment in filters, analyses, and product development is significant, but Ivan Seistrup is resolute when he says that it's worth it.

"The investment optimises performance, reduces the risk of errors and breakdowns, and saves maintenance costs. It's much better to use the oil as a tool for condition monitoring than to hoax with the gears and motors," he says.

"The oil is the best indicator for the whole system's health. It is a good tool for identifying a problem and preventing or reducing dock time, and it is vital for the large, critical, hydraulic systems on our vessels. Clean oil is crucial for good ship management, and there are environmental benefits in reducing the amount of oil changes," states Ivan Seistrup.

Maersk Supply Service A/S

68 special purpose vessels in total.

18 are newbuildings within the last 2 years.

The vessels are anchor handling vessels, project vessels, cable laying vessels, crane vessels and platform supply vessel (PSV).

Crews number approx. 2,000 in total.

Administrative employees number 225.

Ivan Seistrup

Employed at A. P. Moller – Maersk since 1971



MAERSK
SUPPLY SERVICE



CJC™ Offline Filters Keep Your Oil Clean and Water-Free

CJC™ Offline Filtration removes water, particles and oil degradation products from oil around-the-clock

Have You Ever Experienced..?

- Crane breakdowns?
- Seawater in thruster gear oil?
- Excessive wear on reduction gears?
- Condensation in hydraulics of lifeboat davits?
- Malfunctioning shark jaws

- all can be avoided by installing CJC™ Offline Oil Filters!



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C.C.JENSEN all over the World

The CJC™ Offline Filters are distributed by C.C.JENSEN's own international sales organisation and designated distributors



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