



Oil Filtration Systems
MARINE

Application Study
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Hydraulic Oil and Gear Oil Fishing Vessel, Hydraulic Systems and Thrusters

CJC™ Application Study

CUSTOMER

Fishing Vessel: M/S "RAV".
Peter Hepsø Shipping Company Limited.
Sandviksberget, Trondheim.

PREVENTIVE MAINTENANCE

The shipowner had so good experiences with the CJC™ Off-line In-depth Filters on M/S "TRÅL" that it was decided to install similar filters on M/S "RAV".

CJC Off-line In-depth Filters have the ability both to remove particles and to remove water and oxidation deposits.

The CJC Filters are to maintain the oil and thereby the machinery.

The built-in in-line filters are not capable of functioning as a maintenance filter but secludedly as safety filters.

THE SOLUTION

System 1 & 2:

In the hydraulic systems a **CJC™ FineFilter HDU 27/27 P** is installed and a **CJC™ HDU 27/54 P** with **CJC™ FilterInsert B**.

System 3:

To protect the Thrusters 2 **CJC™ Thruster Units PTU2 27/27 PV-DEH1PW** are installed with 2 heaters and automatic water dischargers plus **CJC™ FilterInsert BLAT**.

THE RESULT

Result Thruster 1 & 2:

Oil samples taken after 1 year of operation showed the following analysis results with method NAS 1638 with an oil cleanliness of NAS 2:
Water content was measured to 70 ppm.
The tests were analysed by Cotax in Larvik.



M/S "RAV"

*Modern trawler built by
Eidsvik Shipyard, constr. No 71.*

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HDU 27/27 P



HDU 27/54 P



PTU2 27/27 PV