



CLEAN OIL
BRIGHT IDEAS

Application Study
written by:

Jón A. Jónsson
V.S.Framtak
Iceland

2004



CJC™ Application Study

CUSTOMER

Skip: F/V Viking

Customer: Fiskafurðir (Fish Products), Iceland

Type: Deep Sea Trawler

THE SYSTEM

Hydraulic system: Winch

Volume: 3,000 L.

Type of oil: Caltex Rando HDZ 46

THE PROBLEM

Problems in the winch had resulted in a breakdown and particles had entered the oil. The goal was to try to save the oil.

THE SOLUTION

CJC™ Fine Filter HDU 27/27 P with a pump flow rate of 400 l/h, and a **CJC™ Filter Insert B 27/27**, which has a dirt holding capacity of 4 litres.

THE TEST

Oil was removed from the system and returned via the filter after the repair. The filter was then connected to the system offline. A sample was taken from the system after the filter had been running for an hour and then two more samples were taken later.

THE RESULT

The oil was saved and the payback on the cost of the filter was one day. Today the Viking has a filter on the net winch hydraulic system, the pitch propeller, the lubrication oil system on its Cummins generator sets, the hydraulic system on the processing deck and also on the gearboxes of the big trawl winches.

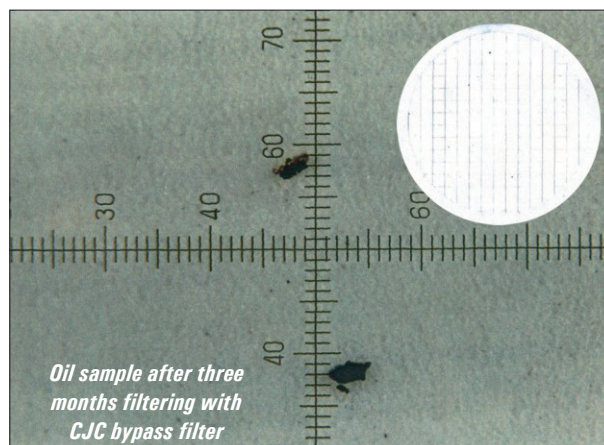
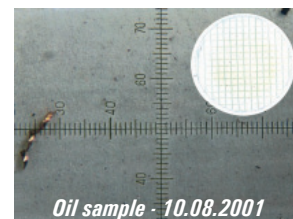
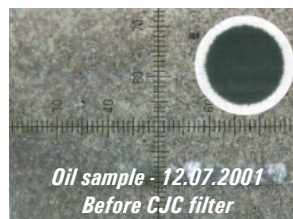
COMMENTS

*Stefán Gunnarsson, Fish Products commented:
"After my experience with the equipment I can recommend it without hesitation."*

Hydraulic Oil Deep Sea Trawler - Winch



Deep Sea Trawler, F/V Viking



THE RESULT

Date	12.07.01	10.08.01	25.10.01
Particles > 2 µm	919,672	378,375	45,828
Particles > 5 µm	91,069	74,392	20,006
Particles > 15 µm	3,815	4,136	739
ISO Code	20/17/12	19/17/13	16/15/10
Water, ppm	305.8	196.5	72