



# Hydraulic Oil Deep Sea Trawler - Winch

## CJC® Application Study



### CUSTOMER

Vessel: 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 break-down and particles had entered the oil. The goal was to try to save the oil.

### THE SOLUTION

**CJC® Oil Care System 27/27** with a CJC® Filter Insert B 27/27 was installed in the offline circuit.

Dirt holding capacity: approx. 2 kg

Water holding capacity: approx. 0.9 L

Filtration degree: 3 µm absolute

Filter material: 100 % natural fibres

### 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

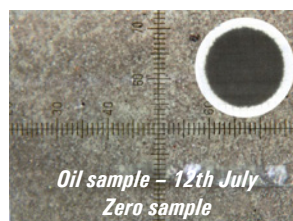
The oil was saved and the payback on the cost of the filter was one day. Today the Viking has a filter on the net winch hydraulic system, the pitch propeller, the lubrication oil system on its Cummins generator sets, the hydraulic system on the processing deck and also on the gearboxes of the big trawl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

### COMMENTS

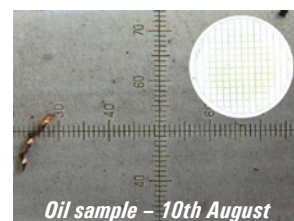
**Stefán Gunnarsson, Fish Products commented:**  
"After my experience with the equipment I can recommend it without hesitation."



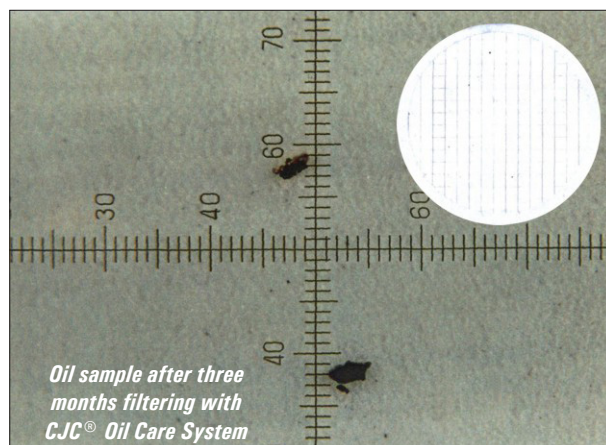
Deep Sea Trawler, F/V Viking



Oil sample – 12th July  
Zero sample



Oil sample – 10th August



Oil sample after three  
months filtering with  
CJC® Oil Care System

### THE RESULT

Date	12th Jul	10th Aug	25th Oct
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