



CJC™ Application Study



CUSTOMER

Gulf Offshore Norway AS, platform supply vessel "North Truck" based in Sandnes, Norway.

THE SYSTEM

Stern and bow thrusters, gear system.

Oil type: Shell Omala 150.

THE PROBLEM

In year 2000, we were contacted by Gulf Offshore Norway, because they struggled with water in the thruster oil on "North Truck".

THE SOLUTION

It was decided to install a **CJC™ Filter Separator 27/27 (Thruster Unit)** with a **CJC™ Filter Insert BLAT** in order to arrest the water problem and to introduce oil maintenance. The advantage with the CJC™ Thruster Unit is that the drained water is sea water, i.e., no salt is left in the oil. Dirt holding capacity: approx. 2 kg

THE TEST

Oil samples were taken before the CJC™ Thruster Unit was put in operation on 11th November, 2000, and the cleanliness level was then NAS 9 and 2300 ppm of water.

THE RESULT

Next oil sample, taken on 1st June, 2001 showed a cleanliness improvement to NAS 3 and 105 ppm water.

Last oil sample taken on 25th April, 2005 showed NAS 5 and a water content of 140 ppm.

Gulf Offshore Norway AS has now introduced CJC™ Thruster Unit on every vessel based in Norway.

Because of the good results seen on the thrusters, they have also successfully installed **CJC™ Filter Separators PTU 15/25 PV-E1H1** on their stern tube systems (Shell Omala 150).

COMMENTS

Tech. Superintendent Bjørn Helge Amundsen:

"After having tested nearly every piece of water removing equipment on the market in order to solve our water and contamination problem, we went for the CJC™ Filter Systems, because it was simply the best. The filters did the job to our greatest satisfaction, removing particles, water and other waste products."

CJC™ Filter Systems for oil maintenance are a very good investment. The return of investment is very short."



PSV "North Truck"



CJC™ Filter Separator 27/27 (Thruster Unit) installed.

THE RESULT

| | 11.09.00 | 01.06.01 | 25.04.05 |
|------------|----------|----------|----------|
| NAS | 9 | 3 | 5 |
| Water, ppm | 2,300 | 105 | 140 |