



THRUSTER GEARBOX

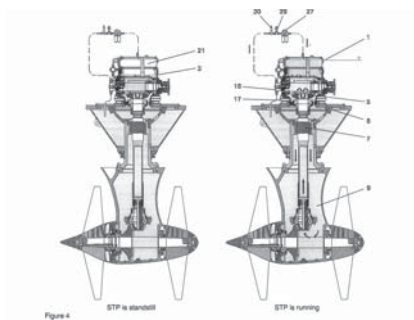
CUSTOMER



Tide Sjø (HSD) in Norway
Wessel: MF Fedjefjord (Ferry)
Contact: Støldal

SYSTEM

Propulsion, Gearbox 1
Schottel, STP1010RL
Build year: 2000
Oil volume: 1700 ltrs of Mobilgear 150
cSt oil.



CHALLENGE

Problem with very contaminated lubeoil along with abnormal wear, overheating and valve failures,
NAS1638 CLASS 8.
Iron content 58 mg/kgs
Water content 90 ppm[Karlfisher]

SOLUTION

An Europafilter, EF2115 Kidneyloop oil filtration unit was assembled in an of-fine circuit, treating the lubricant continuously while the ferry was in operation. Picture of the installation up to the left.

RESULT

Considerably less wear, no overheating and valve function is restored again.
NAS1638 CLASS 5
Iron content 10 mg/kg
Water content 65 ppm[Karlfisher]
The system now has contiuely good operating conditions.



Schottel gearbox



filter no. 1

The Europafilter shows great amounts of sticky varnish on the filter. Other inline filters actually bypassed without cleaning because they was blocked.



filter no 3.

The Europafilter cartridge shows considerably improvement of the cleanliness level. The inline filters will now have considerably improved operating conditions.