

# RMF Systems Case

## THRUSTER CONDITION MONITORING

TO MAINTAIN THE OIL QUALITY OF 6 THRUSTERS ON A DEEP WATER DRILLSHIP, RMF SYSTEMS COMBINED FILTRATION, STANDBY HEATING AND CONDITION MONITORING SYSTEM IN ONE DESIGN. HIGH SPECIFICATION DRILLSHIPS ARE USED BY OFFSHORE DRILLING COMPANIES THAT PROVIDE GLOBAL ULTRA DEEP WATER DRILLING SERVICES TO THE OIL AND NATURAL GAS INDUSTRY.



### OLUHWS

The filter unit acts as a kidney loop, continuously pumping a small amount of oil through a heater, extreme fine filters and water absorbing filter elements. In addition the filter is equipped with an integrated Condition Monitoring Center which reports oil cleanliness, relative humidity and oil degradation. An extra motor-pump set is installed to guarantee correct operation of the Condition Monitoring Center.

The customer is positive about the results and equipped the whole fleet with OLUHWS units.

In total RMF Systems supplied 42 units. The units are installed on the lubrication system on Rolls Royce thrusters.

### OIL CLEANLINESS RESULTS

**Before installation**

**Q4 2015: ISO 18/16/12**

**3 month after installation**

**Q1 2016: ISO 14/12/7**

