



LIFTCRANE HYDRAULICS

CUSTOMER



Talisman Energy Norway AS
 Site: Gyda
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SYSTEM

Hydraulic Liftcrane, Pedestal,
 Stothert & Pitt
 Offline Installation: 03.07.2008
 Oil volume: 2000 ltrs hydraulic oil.

CHALLENGE

We had a problem with operational reliability, valve function and risk of breakdown of the hydraulics on our cranes at "Gyda Platform". The source was soon traced to be the cleanliness level of the hydraulic oil of the cranes. At first we installed a 2 micron offline filtration solution from another supplier. After a couple of years of cleaning the contamination level in the hydraulic oil was NAS 10 and still unacceptable.

SOLUTION

Europafilter, Kidneyloop oil filtration unit was assembled in an offline circuit, treating the lubricant continuously while the lift cranes is in operation. The filtration unit is placed in the engine room of the liftcrane. We used the pump of the 2 micron filter that was already in place. We disconnected the 2 micron filter from its pump and connected a Europafilter, 0.1 micron filter, to this pump. Returnline to the oil reservoir as before.

RESULT

The results are indeed very satisfactory. The systems now has regular good operating conditions. See the table below for results.



Stothert & Pitt, Pedestalcrane



"The Difference before and after, the oil cleaning, is so great that we want to purchase another unit for the other crane onboard."

Ingunn Helgeland
 Talisman Energy Norway

Sample	1	2	3
Date	2nd	5th	1st
Month	July	July	September
Year	2008	2008	2008
Microscope pictures	 Enlarged x 50	 Enlarged x 100	 Enlarged x 200
NAS 1638	10	5	2
Samp.No.	23608	23609	23875