

在线除沙: CASE STUDY: NORTH SEA FPSO

案例1: 北海FPSO项目

Workscope

Stork delivered Non Intrusive Desanding on an FPSO's First Stage Separator A using the state of the art, Advanced Online De-sander (AOD) Skid.

The workscope involved removal of sand from vessels, which was then washed and analysed to ensure an under 1% oil on sand prior to discharge overboard.

Solution

Stork mobilised a team of personnel and Spot, Rigged & Pressure tested equipment to the client's satisfaction.

Removed sand was washed and analysed prior to being discharged overboard.

"The crew were professional at all times with real focus on safety and a great work ethic.

What is obvious is that we have proved the effectiveness of your kit."

Operations Supervisor

Results & benefits

Successfully de-sanded five tonnes of potentially NORM contaminated sand from the separators using the AOD Skid without the need for well shut in, vessel entry or extended shut down. Client saved significant costs and the sand removal extended the period between shut downs and maintained separator performance.

Overall, this project was completed with an overboard discharge average of 0.27% & zero safety incidents. A high performance standard was achieved through the efficient, safe operation from Stork's trained and competent crew. Reflective of this is the excellent client feedback received and an average FPAL rating of 8.7 (see service code 3.05.13).

Project information:

When:

- March 2011

Location:

- UK North Sea

Division:

- Environmental & Decontamination

Safety:

- Project delivered with no lost time incidents

Environmental:

- Five tonnes of sand disposed in line with discharge consent

Innovation:

- Advanced Online Desander Skid

FPAL Rating :

- 8.7 (see service code 3.05.13)

案例2: 北海油气生产

CASE STUDY: NORTH SEA INSTALLATION

Workscope

Stork delivered Online Non Intrusive sand removal onboard a North Sea Installation's 1st, 2nd, and test separators using the state of the art, Advanced Online De-sander (AOD) Skid.

The workscope involved removal of sand from vessels during dayshift, desanding the Test Separator while a well was brought online and deposit removed sand in Drill Cuttings Bins (DCB). During the nightshift, removed sand was washed to under 1% oil on sand and discharged overboard.

Solution

Stork mobilised a team of five personnel and Spot, Rigged & Pressure tested equipment to the client's satisfaction.

Removed sand was washed and analysed prior to being discharged overboard.

Results & benefits

Successfully de-sanded 24 tonnes of potentially NORM contaminated sand from the separators using the AOD Skid without the need for well shut in, vessel entry or extended shut down. Client saved significant costs and the sand removal extended the period between shut downs and maintained separator performance.



Sand washed to under 1% oil on sand and discharged overboard within discharge content.

Overall, this project was completed with zero safety or environmental incidents to a high performance standard through the efficient, safe operation from Stork's trained and competent crew. Reflective of this is the excellent client feedback and an average FPAL rating of 8.7 (see service code 3.05.13).

Project information:

Location: UK North Sea

When: • 2007, 2008 & 2010

Division: Environmental & Decontamination

Safety: Project delivered with no lost time incidents

Environmental:

- 24 tonnes of sand disposed in line with discharge consent

Innovation: Advanced Online Desander Skid

FPAL Rating: 8.7 (see service code 3.05.13)

STORK

A Fluor Company

在线除沙 案例3：北海油气生产

CASE STUDY: NORTH SEA INSTALLATION

Workscope

Stork equipment and personnel were mobilised to complete online desanding onboard a North Sea Installation using the state of the art, Advanced Online De-sander (AOD) Skid.

The workscopes involved the removal of sand from vessels during the dayshift and deposit removed sand in Drill Cuttings Bins (DCB). The removed sand was washed to under 1% oil on sand during and discharged overboard.

Solution

Stork mobilised a team of eight personnel and Spot, Rigged & Pressure tested equipment to the client's satisfaction.

Removed sand was washed and analysed prior to being discharged overboard.

用户评价:

"A thoroughly professional and competent completion of this workscope."

Inspection & Repair Coordinator

"Quality job by Stork Operatives, well supervised by Andy Barclay."

Offshore Installation Manager



Results & benefits

Successfully de-sanded 32 tonnes of potentially NORM contaminated sand from the separators using the AOD Skid without the need for well shut in, vessel entry or extended shut down. Client saved significant costs and the sand removal extended the period between shut downs and maintained separator performance.

Overall, this project was completed with an overboard discharge average of 0.6%, 6241ppm & zero safety incidents. A high performance standard was achieved through the efficient, safe operation from Stork's trained and competent crew. Reflective of this is the excellent client feedback received and an average FPAL rating of 8.2 (see service code 3.05.13).

Project information:

Location: UK North Sea

When: April 2013

Division: Environmental & Decontamination

Safety: Project delivered with no lost time incidents

Environmental:

•32 tonnes of sand disposed in line with discharge consent

Innovation: Advanced Online Desander Skid

FPAL Rating : 8.7 (see service code 3.05.13)

案例4：北海FPSO

CASE STUDY: NORTH SEA FPSO

Workscope

Stork completed 11 workscopes between 2009 & 2012 to complete online desanding on an FPSO's First Stage Separator (20-VA-100) using the state of the art, Advanced Online De-sander (AOD) Skid.

The workscopes involved removal of sand from vessels, which was then washed and analysed to ensure an under 1% oil on sand prior to discharge overboard.

Solution

Stork mobilised a team of five personnel and Spot, Rigged & Pressure tested equipment to the client's satisfaction.

Removed sand was washed and analysed prior to being discharged overboard.

“用户评价:

"Job went well with no incidents. Good workforce involvement in safety initiative."

Offshore Installation Manager

"A thoroughly professional and competent completion of this workscope."

Process Engineer

Results & benefits

Vessels successfully de-sanded 9.3 tonnes of potentially NORM contaminated sand from the separators using the AOD Skid without the need for well shut in, vessel entry or extended shut down. Client saved significant costs and the sand removal extended the period between shut downs and maintained separator performance.

Overall, this project was completed with an overboard discharge average of 0.05%, 511ppm & zero safety incidents. A high performance standard was achieved through the efficient, safe operation from Stork's trained and competent crew. Reflective of this is the excellent client feedback received and an average FPAL rating of 8.7 (see service code 3.05.13).

Project information:

Location: UK North Sea

When: 2009 to 2012

Division: Environmental & Decontamination

Safety:

•Project delivered with no lost time incidents

Environmental:

•9.3 tonnes of sand disposed in line with discharge consent

Innovation: Advanced Online Desander Skid

FPAL Rating : 8.7 (see service code 3.05.13)

