

INTERNAL USE ONLY

Notifiable incident

Notification ID [NTF11661](#)

Duty holder Woodside Energy Ltd
Facility/Activity Vincent
Nearest state WA
Incident OHS-DSCE - Loss of hydraulic power of crane #6

Basic information provided at time of notification

Notification type	Incident
Incident date	24/07/2022 12:00 PM (AWST)
Notification date	24/07/2022 01:09 PM (AWST)
NOPSEMA response date	24/07/2022 03:10 PM (AWST)
Received by	

Summary of information provided

Brief descriptive title	OHS-DSCE - Loss of hydraulic power of crane #6
Incident location	
Subtype/s	
Summary <i>(provided at notification)</i>	Whilst offloading the Siem Tiema OSV a loss of hydraulic power function occurred on on crane # 6 due to an HDMI failure. There was no load on the hook at the time and there was no damage or injury. Once HMI and hydraulic function was restored, the crane was put back in the rest and the crane will stay there until a thorough fitness for service assessment has been completed.

Request permission to disturb the site

Permission given	Not Applicable
Permission given by	
Permission given on	

Initial spill and release amounts

Gas (kg)	
Liquid (L)	
Release type	
More information	

Details of person providing information to NOPSEMA

Full name	
Job title	

Initial notification category

Initial category type <i>(based on notification)</i>	Dangerous Occurrence
Initial category <i>(based on notification)</i>	OHS - damage to safety-critical equipment

Running sheet

There are no running sheet entries for this notification

Decision

Escalate to level 1	Yes
Inspector	
Escalated on	25/07/2022 07:26

Final notification category

Final category type <i>(based on final report)</i>	Dangerous Occurrence
Final category <i>(based on final report)</i>	OHS - damage to safety-critical equipment

Immediate causes

Details	Failure of the Human Machine Interface in the crane cab
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Initial report

Due date	27/07/2022
Received date	25/07/2022
Reviewed date	27/07/2022
Reviewed by	
Additional details provided by duty holder	<p>Brief description of incident During offloading operations from the supply vessel, Crane 6 lost hydraulic function coincident to an HMI (Human Machine Interface) failure. There was no load on the hook at the time, and no damage or injury occurred.</p> <p>Work or activity being undertaken at time of incident Offloading of supply during normal operations</p> <p>What are the Internal Investigation Arrangements: Internal investigation in accordance with Woodside "Health Safety and Environment Event Reporting, Investigating and Learning Procedure"</p> <p>Action taken to make the work-site safe: Action taken After restoration of HMI & hydraulic function, Crane 6 was recovered and stowed in its rest</p> <p>Details of any disturbance of the work site: Activities associated with investigating and rectifying the defect</p> <p>Was an emergency response initiated? No Was anyone killed or injured? No</p>

Final report

Due date	23/08/2022
Received date	16/08/2022
Reviewed date	22/08/2022
Reviewed by	

Additional details provided by duty holder	<p>Full Report:</p> <p>Describe investigation in detail, including who conducted the investigation and in accordance with what standard/procedure:</p> <p>During offloading operations from the supply vessel, crane 6 lost hydraulic function coincident to a HMI (Human Machine Interface) failure. There was no load on the hook at the time, and no damage or injury occurred. The emergency functionality of the crane is not impacted by the HMI. The OSV moved away from the area and after restoration of HMI & hydraulic function, crane 6 was recovered and stowed in its rest to complete a Fitness for Service.</p> <p>Investigation revealed the HMI programme/settings had started to fail causing the screen to black out. The suitability of the EX HMI screen in a high temperature environment and in direct sunlight appears to be a contributing factor (HVAC is off when crane is not in use). This is the second time the screen has failed in this manner however the first time this has happened during operation.</p> <p>A [REDACTED] vendor was mobilised to assist with the installation of a new replacement HMI (control screen). The original Ex HMI has been replaced with a non-EX HMI screen, following vendor advice that the non-EX HMI has higher reliability. The modification to non-EX HMI is covered under MOC-107135. Full function testing and statement of fitness was completed prior to crane being returned to operation.</p> <p>Actions to prevent recurrence of same or similar incident Action Replace failed HMI with Non EX HMI under MOC-107135 Responsible party [REDACTED] Completion date 30-Jul-2022 Actual or Intended Actual</p> <p>Action Complete Function Testing and FFS to return Crane to Service. Responsible party [REDACTED] Completion date 30-Jul-2022 Actual or Intended Actual</p> <p>Action Progress MOC-107135 to install Non EX HMI in Crane #6 permanently and update documentation Responsible party [REDACTED] Completion date 15-Feb-2023 Actual or Intended Intended</p>
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Final spill and release amounts	
Gas (kg)	0.00
Liquid (L)	0.00
Release type	
More information	

Root causes	
Code	
Description	<p>Has the investigation been completed? Yes</p> <p>Root cause analysis: Root Causes Analysis Factor: EQ1-1 Equipment Design - Design Specs Comments Problems not anticipated with the intrinsically safe Human Machine Interface (EX HMI) reliability and suitability in a high temperature environment whilst not in use and impact of direct sunlight.</p>

All data received

Date	22/08/2022
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