

# Notifiable incident

<b>Notification ID</b>	<a href="#">NTF11937</a>
<b>Duty holder</b>	Woodside Energy Global Pty Ltd
<b>Facility/Activity</b>	Pyrenees
<b>Nearest state</b>	WA
<b>Incident</b>	OHS-DSCE - Manual Directional Control Valve on Crane failed during routine function testing

Basic information provided at time of notification	
<b>Notification type</b>	Incident
<b>Incident date</b>	18/12/2022 04:00 PM (AWST)
<b>Notification date</b>	18/12/2022 07:05 PM (AWST)
<b>NOPSEMA response date</b>	19/12/2022 09:30 AM (AWST)
<b>Received by</b>	

Summary of information provided	
<b>Brief descriptive title</b>	OHS-DSCE - Manual Directional Control Valve on Crane failed during routine function testing
<b>Incident location</b>	
<b>Subtype/s</b>	
<b>Summary</b> <i>(provided at notification)</i>	During routine maintenance on #2 pedestal crane, the emergency lowering function was tested and failed to work as intended. It was found that the manual directional control valve had failed to open during the tests. The crane was isolated and a new manual directional valve was installed and the function test was repeated. Crane back in service now.

Request permission to disturb the site	
<b>Permission given</b>	Not Applicable
<b>Permission given by</b>	
<b>Permission given on</b>	

Initial spill and release amounts	
<b>Gas (kg)</b>	
<b>Liquid (L)</b>	
<b>Release type</b>	
<b>More information</b>	

Details of person providing information to NOPSEMA	
<b>Full name</b>	
<b>Job title</b>	

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

Running sheet
<i>There are no running sheet entries for this notification</i>

Decision	
Escalate to level 1	Yes
Inspector	[REDACTED]
Escalated on	19/12/2022 11:42

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	Manual directional valve failed to open.

Initial report	
Due date	21/12/2022
Received date	19/12/2022
Reviewed date	12/01/2023
Reviewed by	[REDACTED]
Additional details provided by duty holder	<p>Brief description of incident During routine maintenance on No2 pedestal crane the emergency lowering function was tested and failed to work as intended. The manual directional control valve failed to open during the test. The crane is isolated in preparation for replacement of the manual directional valve.</p> <p>Work or activity being undertaken at time of incident Scheduled routine servicing and function testing.</p> <p>What are the internal investigation arrangements? Facility personnel and onshore Engineering support to conduct internal investigation.</p> <p>Action taken to make the work-site safe Action Taken - Crane No2 isolated in preparation for replacement of manual directional valve</p> <p>Was an emergency response initiated? No Was anyone killed or injured? No Was there any serious damage? No Equipment damaged: No2 Crane emergency lowering function manual directional valve Extent of damage: Internal mechanical failure. Will the equipment be shut down? No</p> <p>Immediate action taken/intended, if any, to prevent recurrence of incident. Action - Replace emergency lowering manual directional valve and conduct emergency lowering function test - Responsible Party - [REDACTED] - Completion date - 19/12/2022</p>

Final report	
Due date	17/01/2023
Received date	17/01/2023

<b>Reviewed date</b>	19/01/2023
<b>Reviewed by</b>	[REDACTED]
<b>Additional details provided by duty holder</b>	<p>Full Report</p> <p>Crane 2 hydraulic oil tank became contaminated due to water ingress through deteriorated hydraulic tank lid seals. The oil has been replaced however a small amount of contaminated oil has entered the hydraulic control system. This water has evaporated leaving behind small deposits of salt. This salt contamination is identified as the root cause of valve failure.</p> <p>Actions to prevent recurrence of same or similar incident</p> <p>Action - Setup stocking strategy to maintain sufficient seal stocks to provide 100% replacement for all tanks - Responsible Party - [REDACTED] - Completion Date - 31st January 2023</p> <p>Action - Update Crane Work Instruction to include inspection of tank lid seals - Responsible Party - [REDACTED] - Completion Date - 31st January 2023</p> <p>Action - Drain hydraulic system and replace with new hydraulic oil - Responsible Party - [REDACTED] - Completion Date - 31st January 2023</p> <p>Action - Replace Emergency Lowering valve - Responsible Party - [REDACTED] - Completion Date - 30th April 2023</p>

<b>Final spill and release amounts</b>	
<b>Gas (kg)</b>	0.00
<b>Liquid (L)</b>	0.00
<b>Release type</b>	
<b>More information</b>	

<b>Root causes</b>	
<b>Code</b>	
<b>Description</b>	<p>Has the investigation been completed? Yes</p> <p>Root cause analysis</p> <p>Root cause 1 Hydraulic oil contaminated with water</p> <p>Root cause 2 Water evaporation leaving salt crystals within the hydraulic oil</p>

<b>All data received</b>	
<b>Date</b>	18/01/2023

