

RMS- Gas Detection

- **RMS JOB** Various use jobs **1550038110085 & 1550038110086** for reference this PM is done every 7 days and there are no problems noted on any PM –

Gas detection Zone: 1, 2, 3, 4, 5, 6, 7, 8

Task: SPM01-Gas Detector-Checks (7 Day PM)

Daily Inspection:

1. Visually check the Gas panel for lamp outage, presence of any trouble signals or any abnormal conditions.

Completion Note: all completed (complied together do to this being a PM that is done every 7 days and no issues were noted(Robert Tiano))

Completed by : Various ET's

Competition Dates: 20 Apr 2010 – 9 Aug 2009

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- **RMS JOB 1550038105796** -Troubleshoot and Repair CGD-172105 (corrective maintenance)

Gas detection Zone: 1,

Task:

Combustible gas detector CGD172105 is showing negative drift/earth fault on a regular basis. This detector is currently in passive in the system to prevent frequent false alarms.

Completion Note:

adjusted zero on detector. work complete

Completed by : Stenson Roark

Competition Date: 13 Apr 2010

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- **RMS JOB 1550038109796** - SPM04-Gas Detector-Function Test (90 Day PM)

Gas detection Zone: 1, 2, 3, 4, 5, 6, 7, 8 & Gas detection panels

Task:

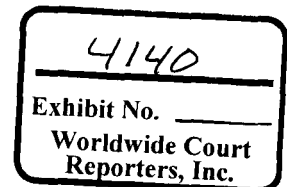
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Work Required :

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NOTE: REFER TO THE REGISTER OF GAS DETECTION EQUIPMENT LOCATION REGISTER CHECK THAT ALL EQUIPMENT IS LISTED. UPDATE THE REGISTER AS REQUIRED.

1. Inspect HC detectors for cleanliness or damage. Repair as required.



TRN-INV-01138417

TREX-04140

2. Test HC detectors with appropriate percentage and flow rate of test gas, verify low and high alarm set points calibrate as required as per manufacturers recommendations.

3. The HC alarm set points should be fixed at 20% for low level and 40% for high level

4. Test the ventilation and fire damper shutdowns upon the activation of appropriate HC gas sensors should be carried out, if applicable.

5. Verify activation and indication of the above alarms on the main control panel.

6. Verify operation of all external Audible and Visual Alarms.

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Tools & Test Equipment :
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Not Specified
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Safety Considerations :
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Carry out pre job planning and risk assessment as per Company Polices. Utilize the THINK Process (Plan-Inspect-Identify-Communicate-Control).

Ensure work permits are obtained, if required, and all energy sources isolated before working on this equipment.

Personnel performing this maintenance should be competent, be familiar with the equipment and have received adequate instructions to perform the maintenance safely.

If you feel that safety is being compromised for any reason during daily operations, you have the responsibility to Call a Timeout.

Completion Note: Gene tested and calibrated all the HC sensors on board, he inspected them for corosion and water tightness. Logged dates of calibration in Gas Log Book

Checks and measurements: PASSED

Completed by : Patrick Cox

Competition Date: 13 Apr 2010

• **RMS JOB 1550038109795 - SPM03-Gas Detector-Function Test (90 Day PM)**
Gas detection Zone: Gas detection Zone: 1, 2, 3, 4, 5, 6, 7, 8 & Gas detection panels

Task:

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Work Required :
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NOTE: REFER TO THE REGISTER OF GAS DETECTION EQUIPMENT LOCATION REGISTER CHECK THAT ALL EQUIPMENT IS LISTED. UPDATE THE REGISTER AS REQUIRED.

1. Inspect H2s detectors for cleanliness or damage, repair as required.
2. Test H2S detectors with appropriate PPM and flow rate of test gas, verify low and high alarm set points calibrate as required as per manufacturers recommendations.
3. The H2S alarm set points should be fixed at 5ppm for low level and 10ppm for high level
4. If applicable, test the ventilation and fire damper shutdowns upon the activation of appropriate H2S gas sensors should be carried out.
5. If applicable, verify activation and indication of the above alarms on the main control panel.
6. If applicable, verify operation of all external Audible and Visual Alarms.

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Tools & Test Equipment :
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Not Specified
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Safety Considerations :
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Carry out pre job planning and risk assessment as per Company Polices. Utilize the THINK Process (Plan-Inspect-Identify-Communicate-Control).

Ensure work permits are obtained, if required, and all energy sources isolated before working on this equipment.

Personnel performing this maintenance should be competent, be familiar with the equipment and have received adequate instructions to perform the maintenance safely.

If you feel that safety is being compromised for any reason during daily operations, you have the responsibility to Call a Timeout.

Completion Note:

Gene tested and calibrated all the H2S sensors on board, he inspected them for corosion and water tightness. Logged dates of calibration in Gas Log Book.

Checks and measurements: PASSED

Completed by : Patrick Cox

Competition Date: 13 Apr 2010

• **RMS JOB 1550038104982 - Troubleshoot and Repair CGD-172302LH (corrective maintenance)**
Gas detection Zone: 1

Task:

CGD-172302LH

SERV

Main Deck - Stbd Aft

Alarm: Dirty Optic

Out of Service - 05 Dec. 09

Currently Inhibited and in Passive

Completion Note: performed calibration procedures and cleared fault

Checks and measurements: none

Completed by : Gene Frevele

Competition Date: 8 Apr 2010

• **RMS JOB 1550038104998 - Troubleshoot & Repair CGD-172103LH**
Gas detection Zone: 1

Task:

Troubleshoot & Repair

CGD-172103LH

F36B

Driller's Equipment Room - 46.0 M Level

Alarm: Negative Earth Drift Fault - Reading -4.0% LEL

Currently in Passive

Out of Service Since 20 DEC 09

Completion Note: Performed calibration on unit returned to service

Checks and measurements: none

Completed by : Gene Frevele

Competition Date: 8 Apr 2010

- RMS JOB 1550038106887- Troubleshoot/Repair CGD172101LH (corrective maintenance)

Gas detection Zone: 1

Task: Troubleshoot/Repair CGD172101LH

Completion Note: Job completed due to incorrect information

Checks and measurements:

Completed by : Yancy Keplinger

Competition Date: 10 Feb 2010

- RMS JOB 1550038105785 - Troubleshoot and Repair CGD172105 (corrective maintenance)

Gas detection Zone: 1

Task: CGD172105 - In Negative/Earth Fault, needs to be calibrated.

Completion Note: Mistaken information was entered. Completed so it can be deleted.

Checks and measurements: none

Completed by : Mike Dow

Competition Date: 15 Jan 2010

- RMS JOB 1550038104194 - SPM02-Gas Detector-Checks (30 day PM)

Gas detection Zone: 1, 3, 4, 5 & 6

Task: 1. Visually inspect overall condition of batteries and battery charger for the Gas Detection Panel.

2. Check electrolyte level, specific gravity and float voltage of batteries (if applicable).

Completion Note: Complete

Checks and measurements: none

Completed by : Tommie Daniels

Competition Date: 23 Dec 2009

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- RMS JOB 1550038102893 - SPM02-Gas Detector-Checks (30 day PM)

Gas detection Zone: 1,2,3,4,5,6

Task: 1. Visually inspect overall condition of batteries and battery charger for the Gas Detection Panel.

2. Check electrolyte level, specific gravity and float voltage of batteries (if applicable).

Completion Note: Work complete. no abnormal conditions

Checks and measurements: none

Completed by : Tommie Daniels

Competition Date: 22 Nov 2009