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| EVENT REPORT: | | | | | | | | | | | | | | | |
| 1. WHAT IS THE PROBLEM? | | | | | | | | | | | | | | | |
| Fluid (Condensate/Water – 70:30) leak from 11-LV910 | | | | | | | | | | | | | | | |
| Date Occurred: 17/4/2019 | | |  | | | | Location: Gbaran-Ubie CPF Koroama Phase 2 Slugcatcher Level Control Valve | | | | | | | | |
| Date Reported: 17/4/2019 | | |  | | | | Reported by: Operations Team | | | | | | | | |
| **Event Type** | | Potential Threat (not yet occurred)  Reliability/integrity – Trip  Reliability/integrity – Equipment failure  Reliability/integrity – Others | | | | | | | |  | | | | | |
| Equipment Tag Number: | | | | | | | | | | | | | | | |
| Threat Description:  Condensate-Water mixture was observed to be leaking from from Gbaran-Ubie CPF Koroama Phase 2 Slugcatcher Level Control Valve 11-LV910 on 17th April 2019. The valve was leaking through bonnet/valve body gasket. | | | | | | | | | | | | | | | |
| Consequences: | | | |  | Risk Assessment: (People, Asset, Environment, Reputation) | | | | | | | | | | |
| No deferment / outage  Oil: Nil  Gas:  Water: Nil  Flare: Nil l.  Other:  Downtime: | | | |  | A | | B | C | | D | E | Actual: E1 Potential: E1  Consequence Scenario | | |
| 0 |  | |  |  | |  |  |
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| 2 |  | |  |  | |  |  |
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| 4 |  | |  |  | |  |  |
| 5 |  | |  |  | |  |  |
| Immediate Corrective Actions Taken: | | | | | | | | | | | | | | | |
| # | Immediate action | | | | | | | | | | Date | | | By | Notification / WO # |
| 1. |  | | | | | | | | | |  | | |  |  |
| 2. |  | | | | | | | | | |  | | |  |  |
| 3. |  | | | | | | | | | |  | | |  |  |
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| 2. WHAT DO WE THINK CAUSED THE PROBLEM? | | | | | | |
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| **Team** | | Gbadebo Adeboye, Azibanato Etire, Fariku Viya, Aja-Onu Uchenna, | | | | |
| **Problem (Primary Effect)** | | 1. Expected: 11LV-910 perform its level control function without leaking its content 2. **Actual**: Condensate was observed leaking from the valve 3. Impact: Potential Environmental Impact and threat to production, Overfill of Slugcatcher, Production from Koroama Phase 2. | | | | |
|  | | **Why? / Immediate cause** | **Answer/Root Cause** | | 3. EVIDENCE? | |
| Why 1 | | Why did fluid (Condensate/Water – 70:30) leak from 11-LV910? | A flow path to environment opened up in the valve bonnet/body gasket | | Physically observed to be leaking through the bonnet/body gasket | |
| A flow path to environment opened up in the valve stuffing box packings. | | Not observed | |
| Why 2 | | Why did a flow path to the environment open up in the valve bonnet/body gasket? | Valve bonnet/body gasket became degraded | | Inspect valve bonnet/body gasket upon disassembly | |
| Valve bonnet/body fasteners created enough clearance between bonnet and body for fluid to slip past | | Fasteners observed to be adequately torqued during inspection. | |
| Why 3 | | Why did the valve bonnet/body gasket become degraded? | Valve bonnet/body gasket eroded | | Inspect valve bonnet/body gasket upon disassembly | |
| Valve bonnet/body gasket suffered chemical attack | | Check Valve datasheet for gasket and valve material properties | |
| Valve bonnet/body gasket corroded | | Inspect valve bonnet/body gasket upon disassembly | |
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| Why 4a | |  |  | |  | |
|  | |  |  | |  | |
| Why 4b | |  |  | |  | |
| Why 5a | |  |  | |  | |
| Why 5b | |  |  | |  | |
| Why 6b | |  |  | |  | |
|  | |  |  | |  | |
| Why 7bi | |  |  | |  | |
|  | |  |  | |  | |
| **Comments:** | | | | | | |
| **4. WHAT SOLUTIONS DO WE HAVE IN MIND?** | | | | | | |
| **#** | **Proposed Action** | | | **Action Party** | | **Target Date** |
| 1 |  | | |  | |  |
| 2 |  | | |  | |  |
| 3 |  | | |  | |  |
| 4 |  | | |  | |  |
| **5. HOW WILL THE PROPOSED SOLUTIONS ELIMINATE THE CAUSES OF THE PROBLEM?** | | | | | | |
|  | | | | | | |
| **LESSONS LEARNT** | | | | | | |
| **Incident Owner:** | | | | | | |