

A large machine in a field

Description automatically generated

**<<SITE\_TITLE>>**

**Post Shut Report**

**Work Order: <<IDNUM>>**

**Document: BMS-03-REP-061\_FT24OP11**

**Document Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rev** | **Date** | **Prepared** | **Approved** | **Comments** |
| 0 | 20/11/2024 | CN | DR | Issued for Internal review |
| 1 | 28/11/2024 | CN | DR | Issued to Client |

**Balance Machine Services**

ABN: 18 663 508 576

<https://bmservices.com.au/>

Unit 1, 64 Baile Rd

Canning Vale WA 6155

Contact: [planning@bmservices.com.au](mailto:planning@bmservices.com.au)

**CONTENTS**

[1 Introduction 3](#_Toc183691345)

[2 Safety 3](#_Toc183691346)

[3 Disclaimers and Limitations 4](#_Toc183691347)

[4 Shutdown Scopes / Work Orders 4](#_Toc183691348)

[4.1 Summary 4](#_Toc183691349)

[5 Uncompleted Work Scopes 5](#_Toc183691350)

[5.1 5Y ME OFF Repl Luff HPU Pump Assy SK802 5](#_Toc183691351)

[5.2 5Y ME OFF Repl Relief Vlv Luff Cyl SK802 5](#_Toc183691352)

[5.3 5Y ME OFF Replace Luff Pressure Transducers 5](#_Toc183691353)

[5.4 5Y ME OFF Repl Suction Valves Luff SK802 5](#_Toc183691354)

[5.5 5Y ME OFF Repl DCV’s Hydraulics SK802 5](#_Toc183691355)

[6 Scopes Completed 6](#_Toc183691356)

[6.1 52W SK802 Replace Hard Skirts & Soft Skirts (Break in Job) 6](#_Toc183691357)

[6.2 52W ME OFF Adjust Cable Reel Torque Limit SK802 6](#_Toc183691358)

[6.3 13W SK802 Insp Slew Drive & Brakes 7](#_Toc183691360)

[6.4 13W SK802 ME OFF Maint HS Coupl Assy 8](#_Toc183691361)

[6.5 104 SK802 Mech OFF Insp Rigid Coupl Drv 9](#_Toc183691362)

[6.6 13W SK802 Inspect Hose Reeler 10](#_Toc183691363)

[6.7 1Y MRMP Inspect Cyclone Prep SK802 10](#_Toc183691364)

[6.8 SK802-HR SCOPE Trailing Hose Removal 10](#_Toc183691365)

[6.9 CV802 – PY03 Replace Pulley CM (Break in Job) 11](#_Toc183691366)

[6.10 5Y ME OFF Replace Relief Valve Luff HPU SK802 12](#_Toc183691367)

[7 Further Recommendations / Actions 12](#_Toc183691368)

[7.1 Parts Supply 12](#_Toc183691369)

[7.2 Personnel 12](#_Toc183691370)

[7.3 Shut Support 12](#_Toc183691371)

[7.4 Safety 12](#_Toc183691372)

# Introduction

<<INTRO\_TEXT>>

# Safety

<<SAFETY\_TEXT>>

|  |  |  |
| --- | --- | --- |
| **BMS PERSONNEL ROLL** | **PER SHIFT** | **LOCATION** |
| Mechanical Supervisors | <<SUPNUM>> | <<LOC>> |
| Service Technicians | <<TECHNUM>> | <<LOC>> |
| Mechanical Fitters | <<MECHNUM>> | <<LOC>> |
| Trade Assistants | <<TANUM>> | <<LOC>> |
| Hydraulic Technicians | <<HYTECH>> | <<LOC>> |
| Hydraulic Supervisors | <<HYSUP>> | <<LOC>> |

# Disclaimers and Limitations

The scope of supply and services for any machine inspections is limited only to a visual inspection of the accessible steel structure and steel components of the plant/machine. In preforming any visual inspections, it is not possible to identify all defects in the components and steel structures.

Some (but not all) of the factors limiting the effectiveness of the inspection are:

* Defects could develop in non-visible areas of the plant / machine.
* Defects could be covered by paint, dust, dirt, material build up, lubricants or a combination thereof.
* Some defects may not have propagated to the surface of the relevant component and may therefore not be visible.
* The completion of a visual inspection of the plant / machine will not confirm, in any way, manner or form that the inspected plant/machine is free from defects.

In light of the above, BMS can offer no warranty or indemnity whatsoever to FMG that the inspection will result in the detection or identification of all or any existing or possible defects in the inspected plant/machine.

# Shutdown Scopes / Work Orders

## Summary

* 52W SK802 Replace Hard Skirts & Soft Skirts
* 52W ME OFF Adjust Cable Reel Torque Limit SK802
* 26W ME OFF Insp LT Bogie Assy SK802
* 5Y ME OFF Repl Suction Valves Luff SK802
* 5Y ME OFF Repl DCV's Hydraulics SK802
* 5Y ME OFF Repl Relief Vlv Luff Cyl SK802
* 13W SK802 Insp Slew Drive & Brakes
* 5Y ME OFF Repl Luff HPU Pump Assy SK802
* 13W SK802 ME OFF Maint HS Coupl Assy
* 104 SK802 Mech OFF Insp Rigid Coupl Drv
* 13W SK802 Inspect Hose Reeler
* 5Y Replace Luff Pressure Transducers
* 1Y MRMP Inspect Cyclone Prep SK802
* SK802 – HR Scope Trailing Hose Removal
* BREAK IN SCOPE – CV802 – PY03 Replace Pulley CM
* 5Y ME OFF Replace Relief Valve Luff HPU SK802

|  |  |  |  |
| --- | --- | --- | --- |
| **AREA** | **SCOPE TOTALS** | **UNCOMPLETED/ CANCELLED SCOPES** | **COMPLETED SCOPES** |
| **SK802** | 14 | 5 | 9 |
| **Break in Tasks** | 2 | 0 | 2 |

# Uncompleted Work Scopes

<<UNCOMP\_OVERVIEW>>

## <<UNCOMP\_WO1\_TITLE>>

<<UNCOMP\_WO1\_NUM\_DESC>>

* **<<WO1\_DET\_1>>**
* **<<WO1\_DET\_2>>**
* **<<WO1\_DET\_3>>**
* **<<WO1\_DET\_4>>**
* **<<WO1\_DET\_5>>**

## <<UNCOMP\_WO2\_TITLE>>

<<UNCOMP\_WO2\_NUM\_DESC>>

* **<<WO2\_DET\_1>>**
* **<<WO2\_DET\_2>>**
* **<<WO2\_DET\_3>>**
* **<<WO2\_DET\_4>>**
* **<<WO2\_DET\_5>>**

## <<UNCOMP\_WO3\_TITLE>>

<<UNCOMP\_WO3\_NUM\_DESC>>

* **<<WO3\_DET\_1>>**
* **<<WO3\_DET\_2>>**
* **<<WO3\_DET\_3>>**
* **<<WO3\_DET\_4>>**
* **<<WO3\_DET\_5>>**

## <<UNCOMP\_WO4\_TITLE>>

<<UNCOMP\_WO4\_NUM\_DESC>>

* **<<WO4\_DET\_1>>**
* **<<WO4\_DET\_2>>**
* **<<WO4\_DET\_3>>**
* **<<WO4\_DET\_4>>**
* **<<WO4\_DET\_5>>**

## <<UNCOMP\_WO5\_TITLE>>

<<UNCOMP\_WO5\_NUM\_DESC>>

* **<<WO5\_DET\_1>>**
* **<<WO5\_DET\_2>>**
* **<<WO5\_DET\_3>>**
* **<<WO5\_DET\_4>>**
* **<<WO5\_DET\_5>>**

## <<UNCOMP\_WO6\_TITLE>>

<<UNCOMP\_WO6\_NUM\_DESC>>

* **<<WO6\_DET\_1>>**
* **<<WO6\_DET\_2>>**
* **<<WO6\_DET\_3>>**
* **<<WO6\_DET\_4>>**
* **<<WO6\_DET\_5>>**

***For recommendations & extra comments on cancelled hydraulic scopes, refer to BMS 061- FT24OP11-BMS-TR-SK802 Technical Memorandum (attached to this Report)***

# Scopes Completed

## <<COMP\_WO\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO1>> | **SCOPE** | 5<<SCOPE1>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE1>>** |
| **Summary (What was completed):**   * <<WO1\_SUM\_COMP!>> * <<WO1\_SUM\_COMP2>> * <<WO1\_SUM\_COMP3>> * <<SWO1\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO1\_DELAY1>> * <<WO1\_DELAY2>> * ,,WO1\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO1\_REC1>> * <<WO1\_REC2>> | | | | | |
| **Photo 1.** <<WO1\_PIC1\_DESC> Photo 2. <<WO1\_PIC2\_DESC>>  **<<WO1\_PIC1>> <<WO1\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO1\_DELAYS1> * <<WO1\_DELAYS2>> * <<WO1\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO1\_REC1>> * <<WO1\_REC2>> * <<WO1\_REC3>> | | | | | |

## <<COMP\_WO2\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO2>> | **SCOPE** | 5<<SCOPE2>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE2>>** |
| **Summary (What was completed):**   * <<WO2\_SUM\_COMP!>> * <<WO2\_SUM\_COMP2>> * <<WO2\_SUM\_COMP3>> * <<WO2\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO2\_DELAY1>> * <<WO2\_DELAY2>> * <<WO2\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO2\_REC1>> * <<WO2\_REC2>> | | | | | |
| **Photo 1.** <<WO2\_PIC1\_DESC> Photo 2. <<WO2\_PIC2\_DESC>>  **<<WO2\_PIC1>> <<WO2\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO2\_DELAYS1> * <<WO2\_DELAYS2>> * <<WO2\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO2\_REC1>> * <<WO2\_REC2>> * <<WO2\_REC3>> | | | | | |

## <<COMP\_WO3\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO3>> | **SCOPE** | 5<<SCOPE3>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE3>>** |
| **Summary (What was completed):**   * <<WO3\_SUM\_COMP!>> * <<WO3\_SUM\_COMP2>> * <<WO3\_SUM\_COMP3>> * <<WO3\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO3\_DELAY1>> * <<WO3\_DELAY2>> * <<WO3\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO3\_REC1>> * <<WO3\_REC2>> | | | | | |
| **Photo 1.** <<WO3\_PIC1\_DESC> Photo 2. <<WO3\_PIC2\_DESC>>  **<<WO3\_PIC1>> <<WO3\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO3\_DELAYS1> * <<WO3\_DELAYS2>> * <<WO3\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO3\_REC1>> * <<WO3\_REC2>> * <<WO3\_REC3>> | | | | | |

## <<COMP\_WO3\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO4>> | **SCOPE** | 5<<SCOPE4>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE4>>** |
| **Summary (What was completed):**   * <<WO4\_SUM\_COMP!>> * <<WO4\_SUM\_COMP2>> * <<WO4\_SUM\_COMP3>> * <<SWO4\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO4\_DELAY1>> * <<WO4\_DELAY2>> * <<WO4\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO4\_REC1>> * <<WO4\_REC2>> | | | | | |
| **Photo 1.** <<WO4\_PIC1\_DESC> Photo 2. <<WO4\_PIC2\_DESC>>  **<<WO4\_PIC1>> <<WO4\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO4\_DELAYS1> * <<WO4\_DELAYS2>> * <<WO4\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO4\_REC1>> * <<WO4\_REC2>> * <<WO4\_REC3>> | | | | | |

## <<COMP\_WO5\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO5>> | **SCOPE** | 5<<SCOPE5>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE5>>** |
| **Summary (What was completed):**   * <<WO5\_SUM\_COMP!>> * <<WO5\_SUM\_COMP2>> * <<WO5\_SUM\_COMP3>> * <<WO5\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO5\_DELAY1>> * <<WO5\_DELAY2>> * <<WO5\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO5\_REC1>> * <<WO5\_REC2>> | | | | | |
| **Photo 1.** <<WO5\_PIC1\_DESC> Photo 2. <<WO5\_PIC2\_DESC>>  **<<WO5\_PIC1>> <<WO5\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO5\_DELAYS1> * <<WO5\_DELAYS2>> * <<WO5\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO5\_REC1>> * <<WO5\_REC2>> * <<WO5\_REC3>> | | | | | |

## <<COMP\_WO6\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO16> | **SCOPE** | <<SCOPE6>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE6>>** |
| **Summary (What was completed):**   * <<WO6\_SUM\_COMP!>> * <<WO6\_SUM\_COMP2>> * <<WO6\_SUM\_COMP3>> * <<WO6\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO6\_DELAY1>> * <<WO6\_DELAY2>> * <<WO6\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO6\_REC1>> * <<WO6\_REC2>> | | | | | |
| **Photo 1.** <<WO6\_PIC1\_DESC> Photo 2. <<WO6\_PIC2\_DESC>>  **<<WO6\_PIC1>> <<WO6\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO6\_DELAYS1> * <<WO6\_DELAYS2>> * <<WO6\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO6\_REC1>> * <<WO6\_REC2>> * <<WO6\_REC3>> | | | | | |

## <<COMP\_WO7\_TITLE>>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORK ORDER#** | <<COMP\_WO7>> | **SCOPE** | <<SCOPE7>> | | |
| **Complete  Incomplete  Further works required** | | | | **Date Completed** | **<<DATE7>>** |
| **Summary (What was completed):**   * <<WO7\_SUM\_COMP!>> * <<WO7\_SUM\_COMP2>> * <<WO7\_SUM\_COMP3>> * <<WO7\_UM\_COMP4>> | | | | | |
| **Problems or Delays:**   * <<WO7\_DELAY1>> * <<WO7\_DELAY2>> * <<WO7\_DELAY3>> | | | | | |
| **Recommendations:**   * <<WO7\_REC1>> * <<WO7\_REC2>> | | | | | |
| **Photo 1.** <<WO7\_PIC1\_DESC> Photo 2. <<WO7\_PIC2\_DESC>>  **<<WO7\_PIC1>> <<WO7\_PIC2>>** | | | | | |
|  | | | | | |
| **Problems or Delays:**   * <<WO7\_DELAYS1> * <<WO7\_DELAYS2>> * <<WO7\_DELAYS3>> | | | | | |
| **Recommendations:**   * <<WO7\_REC1>> * <<WO7\_REC2>> * <<WO7\_REC3>> | | | | | |

# Further Recommendations / Actions

## Parts Supply

BMS will generally check all parts supplied during shut prep days and promptly escalate any issues if known at that time. BMS will also try to provide information or details on post shut reports when incorrect parts have been supplied for scopes.

## Personnel

<<PERSO\_SUMM>

## Shut Support

<<INTERACT\_SUMM>

## Safety

* BMS will always strive to provide our site personnel with the necessary tools, equipment and information to maintain a safe work environment whilst onsite.
* Continue to maintain the current injury free record during shutdowns but ensure the incident reporting culture is not compromised.

# END OF REPORT

Extra documents attached

* <<INCL\_DOC1>>
* <<INCL\_DOC2>>