

<b>Document ID:</b> EQT046	<b>Title:</b> 500 HOUR – MAINTENANCE PROFILE	<b>Print Date:</b> 02/18/24
<b>Revision:</b> 2	<b>Prepared By:</b> Jason Ruggles / Director of Quality	<b>Date Prepared:</b> 02/18/24
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	<b>Approved By:</b> Bret Shields / VP of Operations	<b>Date Approved:</b> 02/18/24

**Policy:**

All 500 Hour Preventative Maintenance Schedules shall have the following items / criteria listed in this document completed / addressed so BHL can have a uniform standard for the 500-hour service profile.

**Purpose:**

The purpose of this document is to have a uniform 500-hour preventative maintenance profile in place to guarantee quality and consistent 500-hour PM cycles.

**Scope:**

All operational units within Buckner Heavylift Cranes with exposure to performing 500-hour preventative maintenance, the scheduling, the oversight and / or direct involvement of this PM cycle.

**Responsibilities:**

All employees within Buckner Heavylift Cranes with exposure to performing 500-hour preventative maintenance, the scheduling, the oversight and / or direct involvement of this PM cycle.

**Procedure:**

## 1.0 500 HOUR PREVENTATIVE MAINTENANCE PROFILE

- 500 Hour Service Description
  - Complete PTP
  - Lock Out / Tag Out Machine
  - Apply Grease to all Lubrication Points
    - Lubricated Track Rollers as / if Applicable
    - Lubricate Connector Pins between Crawler Carrier and Crawler Center Section Crawler Carrier and Cross Carriers
    - **\*LTR Only: Lubricate all Extension / Track Pins**
    - Lubricate Outrigger Pins / Assure Smooth Movement by Hand
    - Lubricate Rotary Connection
    - Lubricate Slewing Gear Ring
  - Change Engine Oil
    - Take Engine Oil Sample
    - Change Oil Filters
    - Write Engine Hours / Date / Initials on Filter
  - Take Hydraulic Oil Sample
  - Check Hydraulic Oil Level – Verify Correct
  - Take Oil Sample from Pump Drive (Distribution) Gear
  - Check Antifreeze Level and Protection Level
  - Change Air Filters
    - Write Engine Hours / Date / Initials on Filter
  - Change Fuel Filters
    - Write Engine Hours / Date / Initials on Filter
  - Take Fuel Sample
  - Change Coolant Filter(s)
  - Clean and Protect Battery Connections
  - Change Crank Case Filter
    - Write Engine Hours / Date / Initials on Filter
  - Change Cab Filter
    - Write Engine Hours / Date / Initials on Filter
  - Change Air Dryer Granular Cartridge
    - Write Engine Hours / Date / Initials on Filter
  - Clean Air Dryer Preliminary Filter
    - Write Engine Hours / Date / Initials on Filter
  - Check Windshield Wiper Fluid Level
  - Check Condition of Windshield Wiper Blades
  - Check all Lights for Proper Operation
  - Check Cab Safety Items
  - Check Cab Fire Extinguisher
  - Check for Operators Manual
  - Check Machine for Current Annual Inspection
  - Complete a General Inspection and document everything that is found deficient or is needing addressed
  - Install BHL Service Decal in the Cab of the Machine

- Place “Service Quality Certificate” in seat of Crane and Document Completion with Picture.