

Document ID: EQT006	Title: 1000 HOUR – MAINTENANCE PROFILE	Print Date: 01/24/24
Revision: 4	Prepared By: Jason Ruggles / Director of Quality	Date Prepared: 02/18/24
Effective Date: 01/24/24	Reviewed By: Garron Gillespie – Service Coordinator	Date Reviewed: 01/24/24
	Approved By: Jason Ruggles – Director of Quality	Date Approved: 02/18/24

Policy:

All 1,000 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 1,000-hour service profile.

Purpose:

The purpose of this document is to have a uniform 1,000-hour preventative maintenance profile in place to guarantee quality and consistent 1,000-hour PM cycles.

Scope:

All operational units within Buckner Heavylift Cranes with exposure to performing 1,000-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 1,000-hour preventative maintenance, the scheduling, the oversight and / or direct involvement of this PM cycle.

Procedure:

1.0 1,000 HOUR PREVENTATIVE MAINTENANCE PROFILE

- 1000 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 or Crawler Carrier and Cross Carriers
 - Lubricate Outrigger Pins / Check for Smooth Movement by Hand
 - Lubricate Rotary Connection
 - Lubricate Slewing Gear Ring
 - Remove and Replace Main Engine Belt
 - Check for Fluid Leaks (document deficiencies as found)
 - Change Travel Gear Oil
 - Change Oil in Miter Gear Crane Drive
 - Check for Wear, Damage, and Loose Components on the Track Wear Bars, Track Frames, Track Belts, Carrier Rollers, Drive Components and Lower Rollers (as applicable)
 - Document everything that is found deficient or is needing addressed
 - Take a Coolant Sample
 - Change Winch Oil
 - Visually Check Slew Gear Mounting Bolts for signs of movement (do not put a torque wrench on them)
 - Change Slew Gear Oil
 - Change Pump Drive (Distribution) Gear Oil
 - Take Oil Sample from Pump Drive
 - Change Hydraulic Oil Filters
 - Take Oil Sample of Hydraulic Oil
 - Check Hydraulic Oil Level – Verify Correct
 - Hydraulic Oil will only be changed in the event of a failed or trending failed sampling of the Hydraulic Oil.
 - Replace Air Dryer Granular Cartridge
 - Write Engine Hours / Date / Initials on Filter
 - Clean Air Dryer Preliminary Filter
 - Write Engine Hours / Date / Initials on Filter
 - Check for Wear, Damage, Cracks and Assure Easy Movement of Rope Sheaves
 - 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.
- If Applicable (and to align service intervals) also complete the 500 Hour Service
- The Hydraulic Oil and Diesel Fuel in the Machine will be polished with a filter cart when the Unit is in a Yard during “Off Peak” times.
 - **NOTE: If the Machine is having a 1000-HR PM Performed on it in the Field, the Lubrication Technician must contact the Service Coordinator to obtain direction if the Hydraulic Oil and Diesel Fuel will be polished onsite.**
- The ISO cleanliness of the Hydraulic Oil per ISO 4406(c) will have a target goal of = / < 19/17/14