

## Job Sheet

**Job Number** 2150013305

**Job Date** 12/12/2024

**Order No.** 

**Technician:** \_\_\_\_\_

<input type="checkbox"/> Warranty	<input type="checkbox"/> Repair/Recharge
<input type="checkbox"/> Service	<input type="checkbox"/> Backlog

**Certificate No:** \_\_\_\_\_

**On Hire Date:**  
**OFF Hire Date:**

Test Code	Last Meter	Current Meter
	6,512.00	6583.3

Total Labour Hours: \_\_\_\_\_ Travel Hours: \_\_\_\_\_  
 Manager: MS Date: 17/12/24 Technician: AK Date: 12/12/24

# Maintenance Planner

# HITACHI

Hitachi Construction Machinery (Australia) Pty Ltd

BELL ADT B40E Pin 1.1~1.2

SN #:

Hours:

6548 HRS

Customer:

Plant #:

As Required	
<input type="checkbox"/> Check & clean coolers	<input type="checkbox"/> Torque wheel nuts (Refer notes 1)
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine oil, transmission oil, coolant on CDU	<input type="checkbox"/> Check auto greasing system grease level
<input type="checkbox"/> Check Hydraulic Oil Level and WDB oil levels on CDU	<input type="checkbox"/> Grease all remaining lube points as required
<input type="checkbox"/> Check for transmission oil leaks	<input type="checkbox"/> Check driveline and suspension fasteners
<input type="checkbox"/> Check transfer case oil level	<input type="checkbox"/> Check Operator controls, buzzers and instruments
<input type="checkbox"/> Check machine for fuel, water & oil leaks	<input type="checkbox"/> Check work lights, reverse alarm and horn operation
<input type="checkbox"/> Check tyre pressures	<input type="checkbox"/> Check park and service brakes
<input type="checkbox"/> Grease bonnet hinges	<input type="checkbox"/> Drain Water from Primary fuel filter (Check cold, drain before starting engine)
After First 100 Hours 364115 Filter Kit	
<input type="checkbox"/> Change primary fuel filter/water separator ( Racor )	<input type="checkbox"/> Drain and refill oil in all differentials & final drives
<input type="checkbox"/> Change Engine fuel filter	<input type="checkbox"/> Change hydraulic oil return filters
<input type="checkbox"/> Change WDB return filter	<input type="checkbox"/> Change HP Brake filter
<input type="checkbox"/> Check/Replace Air conditioning filter	<input type="checkbox"/> Replace transmission oil filters
<input type="checkbox"/> Change transfer case oil & filter	
Every 500 Hours 364116 Filter Kit HCA-B40E-500L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input checked="" type="checkbox"/> Take PROBE oil samples from engine, transmission, transfer case, hydraulic tank and all differentials, final drives	<input checked="" type="checkbox"/> Check brake function, WDB brake wear indicator, park brake pad/ disk wear (Refer notes 2)
<input checked="" type="checkbox"/> Drain and refill engine oil and replace engine oil filter	<input checked="" type="checkbox"/> Clean fuel tank breather
<input checked="" type="checkbox"/> Check hydraulic tank oil level	<input checked="" type="checkbox"/> Check electrical connections & wire routing for chaffing
<input checked="" type="checkbox"/> Drain Water from the primary fuel filter	<input checked="" type="checkbox"/> Check fan blades and viscous hub for damage and leaks
<input checked="" type="checkbox"/> Check and clean transmission, transfer case, differential breathers	<input checked="" type="checkbox"/> Check suspension strut height & condition (Refer notes 2)
<input checked="" type="checkbox"/> Check brake accumulator function (Refer to Service Manual) .	<input checked="" type="checkbox"/> Check/Clean hydraulic, WDB tank and fuel tank breather filter
<input checked="" type="checkbox"/> Check coolant level & condition	<input checked="" type="checkbox"/> Check operator controls SDC, SSM, bonnet switch, HVAC functionality & buzzer
<input checked="" type="checkbox"/> Record & clear fault codes found on the CDU fault display page	<input checked="" type="checkbox"/> Check A/C receiver dryer site glass
<input checked="" type="checkbox"/> Check function of all lights and reverse buzzer	<input checked="" type="checkbox"/> Change Auto grease filter, check level in auto greasing system
<input checked="" type="checkbox"/> Change air conditioning fresh air filter	<input checked="" type="checkbox"/> Check software version installed and update to latest revision if required
<input checked="" type="checkbox"/> Grease all remaining lube points as required	<input checked="" type="checkbox"/> Check transfer case oil level
<input checked="" type="checkbox"/> Check transmission for oil leaks and level	<input checked="" type="checkbox"/> Check Fan Purge operation and nozzle alignment (Bell SB1039-2018)
<input checked="" type="checkbox"/> Check all hydraulic hoses for leaks, chaffing, routing	<input checked="" type="checkbox"/> Check and adjust bin shock pad clearance (see serv manual for specs)
<input checked="" type="checkbox"/> Check condition of all Slip joints, cross and rollers (Replace as required)	<input checked="" type="checkbox"/> Clean and inspect Hydraulic/ Transmission cooler fan
<input checked="" type="checkbox"/> Lubricate PTO universal drive shaft with Hi Temp grease	<input checked="" type="checkbox"/> Check Fan belts, including idlers and pulleys
Every 1000 Hours 364117 Filter Kit HCA-B40E-1000L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input type="checkbox"/> Change primary fuel filter/water separator ( Racor )	<input type="checkbox"/> Change hydraulic oil return filters
<input type="checkbox"/> Change secondary fuel filter on engine	<input type="checkbox"/> Check/Clean transmission, transfer case breathers
<input type="checkbox"/> Clean fuel inlet screen	<input type="checkbox"/> Check & adjust engine valve and Jacobs valve clearances (refer serv manual)
<input type="checkbox"/> Change transmission oil filters	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Change transfer case filter	<input type="checkbox"/> Grease cab tilt cylinder & park brake eccentric shaft
<input type="checkbox"/> Check oil level in all diffs & final drives	<input type="checkbox"/> Change Pneumatic air filter
<input type="checkbox"/> Change outer air cleaners	<input type="checkbox"/> Change HP Brake filter
<input type="checkbox"/> Inspect belt tensioner condition	<input type="checkbox"/> Check/Clean fuel tank breather
<input type="checkbox"/> Check condition of all drive shafts	<input type="checkbox"/> Grease prop shaft slip joint Between drop box and osc joint
<input type="checkbox"/> Carry out Oscillation joint checks as per (Bell SB2010-1004)	<input type="checkbox"/> Replace Hydraulic and WDB Tank Breathers
<input type="checkbox"/> Change HP hydraulic filter (where applicable)	<input type="checkbox"/> Change WDB return filter
Every 2000 Hours 364118 Filter Kit HCA-B40E-2000L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input type="checkbox"/> Change transfer case oil	<input type="checkbox"/> Replace transfer case, transmission and fuel tank breather
<input type="checkbox"/> Change inner air cleaner	<input type="checkbox"/> Change transmission oil and filters
<input type="checkbox"/> Clean WDB & Brake charge Suction screens	<input type="checkbox"/> Grease transmission to transfer case prop shaft
<input type="checkbox"/> Change WDB oil ensure brake hubs are drained add Lubrizol Additive	<input type="checkbox"/> Change oil in all differentials & final drives
<input type="checkbox"/> Replace fan belts (Refer notes 2)	<input type="checkbox"/> Check operation of seat belt
Every 4000 Hours 364120 Filter Kit HCA-B40E-2000L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input type="checkbox"/> Check air conditioner pulley bearing and inspect pulley grooves	<input type="checkbox"/> Check jockey pulley bearing(s)
<input type="checkbox"/> Clean Secondary Steering Strainer	<input type="checkbox"/> Check suspension accumulator pressures
<input type="checkbox"/> Clean Hydraulic, emergency steering and WDB tank suction screen	<input type="checkbox"/> Inspect and lubricate orbital valve/ steering spline
<input type="checkbox"/> Change hydraulic oil	
Every 6000 Hours 364118 Filter Kit HCA-B40E-2000L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input type="checkbox"/> Change Engine Coolant	<input type="checkbox"/> Customers discretion- swap Final drive gear set Left to right and reset wheel bearing tension as per Note 3- recommended to extend FD Life
Every 12000 Hours 364120 Filter Kit HCA-B40E-2000L Lube Kit	
*****ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017*****	
<input type="checkbox"/> All of the above	<input type="checkbox"/>

## Maintenance Planner

Required Parts												
Highlighted in grey indicate they are included in Parts / Lube Kits												
Item	Part No	Initial 100 Hour (10)	500 Hour (6)	1000 Hour (15)	2000 Hour (22)	4000 Hour (24)	6000 Hour (24)	12000 Hour (24)				
Engine Oil Filter	DC222521		1	1	1	1	1	1				
Air Conditioning Fresh Air Filter	227985		1	1	1	1	1	1				
Auto Grease Filter (If Equipped)	262947		1	1	1	1	1	1				
Fuel Filter (Racor)	207694	1		1	1	1	1	1				
Fuel Filter (on engine)	DC222520	1		1	1		1					
Fuel Filter (on engine)	DC222897					1		1				
WDB Return filter	228253	1		1	1	1	1	1				
Kit Seal WDB Filter	141054			1	1	1	1	1				
HP Brake filter	228255	1		1	1	1	1	1				
Transfer Case Filter	222219	1		1	1	1	1	1				
Transfer Case Breather	223816				1	1	1	1				
Remote Transmission Filters	29558118	1		1	1	1	1	1				
Transmission Filter O-Ring	AL140122	2		2	2	2	2	2				
Transmission Breather	223816				1	1	1	1				
Hydraulic Filter	228254	1		1	1	1	1	1				
Kit Seal Hydraulic Filter	141055			1	1	1	1	1				
Hydraulic High Pressure Filter (if Fitted)	227758			1	1	1	1	1				
Fuel Tank Breather	220010				1	1	1	1				
Hydraulic Tank & WDB Breather	210881			2	2	2	2	2				
Belt V-Ribbed 2642mm	DC223073				1	1	1	1				
Belt V-Ribbed 1493mm	DC222839				1	1	1	1				
Rocker Cover Gasket	DC140545			1	1	1	1	1				
Air Cleaner element (Outer)	226779			2	2	2	2	2				
Air Cleaner element (Inner)	226780				2	2	2	2				
Air Drier Filter	226000			1	1	1	1	1				
Hydraulic Tank Suction Screens	BN053513					2		2				
Emergency Steer Suction Strainer	BN053515					1		1				
Brake charge strainer	BN053515					1		1				
WDB suction Strainers	BN053514					2		2				
Probe Oil Analysis Kit	OIL SAMPLE		14	14	14	14	14	14				
Cross and roller ass	227285				2 Piece-As Required 6000 hr recommended							
Cross and roller ass	221877				2 Piece - As Required 6000 hr recommended							
Cross and Roller Ass	227283				2 Pieces - As Required 6000 hr recommended							
Idler pulley	DC222873				As Required							
<b>System Capacity</b>												
<b>CASTROL VECTON LONG DRAIN 10W40 LS (20 Litre Pack)</b>												
39L												
Engine - OM471LA- MB228.5 Approved - 39L	3415494		2	2	2	2	2	2				
<b>CASTROL TRANSYND (20 Litre Pack)</b>												
Total 49.7L Required												
Transmission- Allison TE295 Approved - 48L	115538				2	2	2	2				
Drop Box - 7.4L	115538	1			1	1	1	1				
<b>CASTROL Heavy Duty ATF (20 Litre Pack)</b>												
210L												
Wet Disk Brake Cooling - 210L	3377654				11	11	11	11				
<b>CALTEX TEXTRAN TDH PREMIUM 2069220 (20L) 2069205 (205L)</b>												
Total 370L Required												
Axles Front/ Middle/ Rear - 56L x 3	2069205	1			1	1	1	1				
Final Drives - 4.5L x 6												
Hydraulic System - 175L						1		1				
<b>GLYSANTIN G40 (20 Litre Drum)</b>												
66L												
Cooling Do not mix with Coolguard - 66L	AC5040-50 20L						4	4				
<b>LUBRIZOL 9990A (5 Litre Pack)</b>												
3L												
Wet Disk Brake Cooling Additive	LUBRIZOL 5L				1	1	1	1				
<b>Notes</b>												
1. Torque all wheel nuts to 560Nm. (413 ft lb.) after the first 5 hours of operation and again after 50 hours of operation. Repeat this procedure if the wheels are changed. Apply anti seize to the wheel studs (and washers if equipped)												
2. Refer to service manual for specs and procedure												

Completed By

Name

Signature

Date