

# INTERNAL KEEGROUP USE ONLY

## Job Sheet

Site Address:

Acct Name:

Site Contact:

Site Phone No:

Job Header: Carry out 1000hr service

Customer Notes:

Job Number 2150013481

Job Date 23/01/2025

Order No.

Technician: NORMAN

☐ Warranty

☐ Repair/Recharge

☐ Service

☐ Backlog

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

On Hire Date:

Off Hire Date:

Start Time: \_\_\_\_\_

Finish Time: \_\_\_\_\_

Work Required :

Job Item	Rego #	Item Description	Test Code	Last Meter	Current Meter
K0641	Not Road Registe	Hitachi Bell B40E Articulated Dump truck		8,887.00	<u>9011 hrs</u>

Product Code	Description	Quantity	Sell Price	Total Sell Price
364117	1000HR SERVICE FILTER KIT - BELL B45E	1.00	0.00	0.00

## Service Notes

[illegible]

**Total Labour Hours:** \_\_\_\_\_ **Travel Hours:** \_\_\_\_\_

**Manager:** \_\_\_\_\_ **Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_ **Technician:** \_\_\_\_\_

# Maintenance Planner

# HITACHI

Hitachi Construction Machinery (Australia) Pty Ltd

BELL ADT B40E & B45E Pin 1.1-1.2

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	
<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 ER10003518K	
***** ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 *****	
<input type="checkbox"/> Take PROBE oil samples from engine, transmission, transfer case, hydraulic tank and all differentials, final drives	<input type="checkbox"/> Check brake function, WDB brake wear indicator, park brake pad/ disk wear (Refer notes 2)
<input type="checkbox"/> Drain and refill engine oil and replace engine oil filter	<input type="checkbox"/> Clean fuel tank breather
<input type="checkbox"/> Check hydraulic tank oil level	<input type="checkbox"/> Check electrical connections & wire routing for chaffing
<input type="checkbox"/> Drain Water from the primary fuel filter	<input type="checkbox"/> Check fan blades and viscous hub for damage and leaks
<input type="checkbox"/> Check and clean transmission, transfer case, differential breathers	<input type="checkbox"/> Check suspension strut height & condition (Refer notes 2)
<input type="checkbox"/> Check brake accumulator function (Refer to Service Manual)	<input type="checkbox"/> Check/Clean hydraulic, WDB tank and fuel tank breather filter
<input type="checkbox"/> Check coolant level & condition	<input type="checkbox"/> Check operator controls SDC, SSM, bonnet switch, HVAC functionality & buzzer
<input type="checkbox"/> Record & clear fault codes found on the CDU fault display page	<input type="checkbox"/> Check A/C receiver dryer sight glass
<input type="checkbox"/> Check function of all lights and reverse buzzer	<input type="checkbox"/> Change Auto grease filter, check level in auto greasing system
<input type="checkbox"/> Change air conditioning fresh air filter	<input type="checkbox"/> Check software version installed and update to latest revision if required
<input type="checkbox"/> Grease all remaining lube points as required	<input type="checkbox"/> Check transfer case oil level
<input type="checkbox"/> Check transmission for oil leaks and level	<input type="checkbox"/> Check Fan Purge operation and nozzle alignment (Bell SB1039-2018)
<input type="checkbox"/> Check all hydraulic hoses for leaks, chaffing, routing	<input type="checkbox"/> Check and adjust bin shock pad clearance (see serv manual for specs)
<input type="checkbox"/> Check condition of all Slip joints, cross and rollers (Replace as required)	<input type="checkbox"/> Clean and inspect Hydraulic/ Transmission cooler fan
<input type="checkbox"/> Lubricate PTO universal drive shaft with Hi Temp grease	<input type="checkbox"/> Check Fan belts, including idlers and pulleys
Every 1000 Hours 364117 ER10003518K	
***** ORDER OF SERVICING TO BE CARRIED OUT IN STRICT ACCORDANCE WITH PSB731-2017-001 & SIB 1003-2017 *****	
<input checked="" type="checkbox"/> Change primary fuel filter/water separator (Racor)	<input checked="" type="checkbox"/> Change hydraulic oil return filters
<input checked="" type="checkbox"/> Change secondary fuel filter on engine	<input checked="" type="checkbox"/> Check/Clean transmission, transfer case breathers
<input checked="" 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 checked="" type="checkbox"/> Check coolant condition
<input checked="" type="checkbox"/> Change transfer case filter	<input checked="" type="checkbox"/> Grease cab tilt cylinder & park brake eccentric shaft
<input checked="" type="checkbox"/> Check oil level in all diffs & final drives	<input checked="" type="checkbox"/> Change Pneumatic air filter
<input checked="" type="checkbox"/> Change outer air cleaners	<input checked="" type="checkbox"/> Change HP Brake filter
<input checked="" type="checkbox"/> Inspect belt tensioner condition	<input checked="" type="checkbox"/> Check/Clean fuel tank breather
<input checked="" type="checkbox"/> Check condition of all drive shafts	<input checked="" type="checkbox"/> Grease prop shaft slip joint Between drop box and osc joint
<input checked="" type="checkbox"/> Carry out Oscillation joint checks as per (Bell SB2010-1004)	<input checked="" type="checkbox"/> Replace Hydraulic and WDB Tank Breathers
<input checked="" type="checkbox"/> Change HP hydraulic filter (where applicable)	<input checked="" type="checkbox"/> Change WDB return filter
Every 2000 Hours 364118 ER10007171K	
***** 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	<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 ER10007171K	
***** 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 ER10007171K	
***** 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 ER10007171K	
***** 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

# HITACHI

Hitachi Construction Machinery (Australia) Pty Ltd

Required Parts								
Highlighted in grey indicates they are included in Parts / Lube Kits								
Item	Part No	Initial 100 Hour (10)	500 Hour (6)	1000 Hour (8)	2000 Hour (12)	4000 Hour (16)	6000 Hour (16)	12000 Hour (16)
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
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 8000 hr recommended				
Cross and roller ass	221877			2 Piece - As Required 8000 hr recommended				
Cross and Roller Ass	227283			2 Pieces - As Required 6000 hr recommended				
Idler pulley	DC222873			As Required				
<b>CASTROL VECTON LONG DRAIN 10W40 LS (20 Litre Pack)</b>								
Engine - OM471LA- MB228.5 Approved	3380370		39	39	39	39	39	39
<b>TRANSYND (20 Litre Pack)</b>								
Transmission- Allison TE295 Approved	115538				48	48	48	48
Drop Box	115538	7.4			7.4	7.4	7.4	7.4
<b>CALTEX TEXTRAN TDH PREMIUM (205 Litre Pack) 2069205</b>								
Hydraulic System	2069205					175		175
<b>CASTROL Heavy Duty ATF (20 Litre Pack)</b>								
Wet Disk Brake Cooling	3377654				210	210	210	210
<b>CALTEX TEXTRAN TDH PREMIUM (20 Litre Pack) 2069220</b>								
Axles Front/ Middle/ Rear 56L x3	2069220	168			168	168	168	168
Final Drives 4.5L x 6	2069220	27			27	27	27	27
<b>GLYSANTIN G40 (20 Litre Drum)</b>								
Cooling System Do not mix with Coolguard	AC5040-50 20L						86	86
Based on Oil analysis results, Oil change intervals may need to be adjusted for your operating conditions. Consult your local Hitachi / Deere Dealer.								
<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								
<b>Completed By</b>								
Name	NORMAN	Signature		Date	8/2/25			