

Service Maintenance Overview

Dynapac CA1300-1400 IIIB/Tier4F

Kubota V3307

Parts Book

Service Kits & Lubricants

[CA1300 \(IIIB/T4f\) S/N 10000159xxA031263 - \(digabit.com\)](#)

[CA1400 \(IIIB/T4f\) S/N 10000169xxA031137 - \(digabit.com\)](#)

Service Interval	Service Kit Part Number
Intital 50 Hour Service Kit	4812159573
500 Hour Service Kit	4812159484
1000 Hour Service Kit	4812159486
1500 Hour Service Kit	4812159488
2000 Hour Service Kit	4812159486

Lubricant	Part Number	Qty	Qty	Qty	Qty	Qty
		required at 50 Hour Service	required at 500 Hour Service	required at 1,000 Hour Service	required at 1,500 Hour Service	required at 2,000 Hour Service
Dynapac Engine Oil 200 (5L)	4812161855	3	3	3	3	3
Dynapac Gear Oil 300 (5L)	4812161883	N/A	N/A	2	N/A	4
Dynapac Coolant 100 (20L)	4812161854	N/A	N/A	N/A	N/A	1
Dynapac Hydraulic 300 (20L)	4812161868	N/A	N/A	N/A	N/A	2

Service and maintenance points

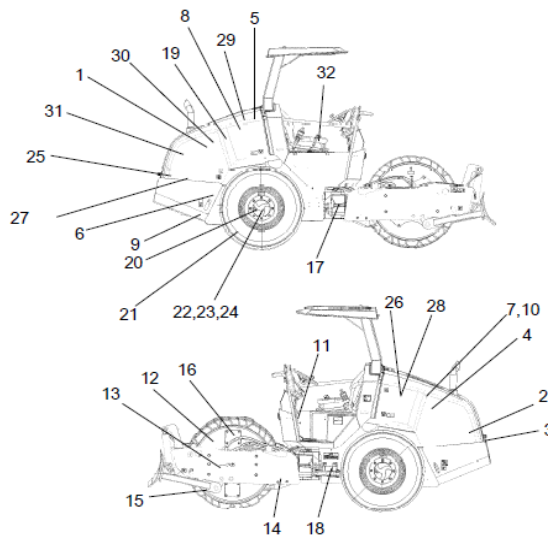


Fig. Service and maintenance points

- | | | |
|--|--|-------------------------------|
| 1. Radiator grille | 14. Scraper | 27. Engine suspension, 4 pcs. |
| 2. Oil level, diesel engine | 15. Drum oil, level plug, 1 pc. | 28. Diesel fuel, filler |
| 3. Fuel filter | 16. Rubber elements and fastening screws | 29. Battery |
| 4. Air filter | 17. Steering joint | 30. Radiator |
| 5. Engine cover, hinges | 18. Steering cylinder, 1 pc. | 31. Drive belt, alternator |
| 6. Hydraulic reservoir, sight glass | 19. Flywheel casing, hydraulic pumps | 32. Forward/reverse lever |
| 7. Bleeding filter | 20. Wheel nuts | |
| 8. Hydraulic filter, 1 pcs. | 21. Tires, pressure | |
| 9. Drainage, hydraulic fluid reservoir | 22. Rear axle, differential and pinion housing | |
| 10. Hydraulic fluid, filling | 23. Rear axle, planetary gears, 2 pcs. | |
| 11. Fuse box | 24. Rear axle suspension, 2 sides | |
| 12. Drum oil, filling | 25. Oil filter, diesel engine | |
| 13. Drum motor | 26. Cleaning fuel tank | |

Service Maintenance Overview



10. Drum frame 20. Creating, fuel tank

Pos	Action	Frequency										NOTE	
		After the first 10 hours of operation (Daily)	Every 50 hours of operation (Weekly)	Every 250 hours of operation	Every 500 hours of operation	Every 750 hours of operation	Every 1000 hours of operation	Every 1250 hours of operation	Every 1500 hours of operation	Every 1750 hours of operation	Every 2000 hours of operation		Every 24+ months
1	Check for free circulation of cooling air	○											Refer to the engine manual
30	Check/Change coolant level	○											Refer to the engine manual
2	Check the engine oil level	○											
28	Refuel	○											
6/9	Check/Change fluid level in hydraulic reservoir	○										●	
	Test the brakes	○											
2/25	Change the engine oil and oil filter		●										Refer to the engine manual
3	Replace the fuel filter		●										Refer to the engine manual
8	Change the hydraulic fluid filter		●										
	Check that hoses and couplings are not leaking												
14	Check the scraper setting												
4	Inspect/clean the filter element in the air cleaner												
20	Check the wheel-nuts are tightened												
21	Check the tire pressure												
23/22	Check the oil level /Change the oil in rear axle/planetary gears		○	○	○	○	○	○	○	○	○	○	
22	Check the oil level/Change the oil in the rear axle pinion housing		○	○	○	○	○	○	○	○	○	○	
15/12	Check the oil level/Change the oil in the drum		○	○	○	○	○	○	○	○	○	○	
30	Clean the coolers		○	○	○	○	○	○	○	○	○	○	
	Adjust the engine drive belt		○	○	○	○	○	○	○	○	○	○	
	Check the air intake hoses		○	○	○	○	○	○	○	○	○	○	
16	Check rubber elements and bolted joints		○	○	○	○	○	○	○	○	○	○	
29	Check battery		○	○	○	○	○	○	○	○	○	○	
32	Lubricate controls and joints		○	○	○	○	○	○	○	○	○	○	
7	Check/Change bleeder filter on hydraulic reservoir		○	○	○	○	○	○	○	○	○	○	
31	Check/Change belt tension/drive belt system		○	○	○	○	○	○	○	○	○	○	Refer to the engine manual
	Cleaning the water separator								○				
9	Drain the condensate from hydraulic reservoir								○				
26	Drain condensate from fuel tank								○				
22	Change oil in rear axle differential											●	
	Change drive belt												
	Valve adjustment, engine												
	Change oil separator element												
17	Check the steering joint										●		

○ Check ● Change



Service Maintenance Overview



Dynapac CA1300-1400 IIIB/Tier4F

Kubota V3307

Repair Kits

CA1300					
4700950156	Steering Hitch Kit	4700950156 Steering hitch kit (digabit.com)			
4700950153	Eccentric shaft kit	4700950153 Eccentric shaft kit (digabit.com)			
4700950154	Drum rotation kit	4700950154 Drum rotation kit (digabit.com)			
4812156185	Shock absorber kit, drum	4812156185 Shock absorber kit, drum (digabit.com)			
CA1400					
4812159976	Eccentric shaft kit	4812159976 Eccentric shaft kit (digabit.com)			
4812157275	Drum rotation kit	4812157275 Drum rotation kit (digabit.com)			
4812159975	Shock absorber kit, drum	4812159975 Shock absorber kit, drum (digabit.com)			

General Comments

Inspected By: _____ **Signature:** _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Nil Required Inspection Only

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators Manual			
Check for Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Level Engine Oil Top Up As Required			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Main Engine Air Filter Element			
Check Safety Engine Air Filter Element			

General Comments

Inspected By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Checklist First 50 Hours



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Description	Part Number	Qty
Initial 50 Hour Service Kit	4812159573	1
Dynapac Engine Oil 200 (5L)	4812161855	3

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators Manual			
Check for Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			
Check Level Engine Oil Top Up As Required			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Main Engine Air Filter Element			
Check Safety Engine Air Filter Element			

Maintenance Tasks

Task	Completed (mark with X)	Comments
Replace Engine Oil		
Replace Fuel Filter		
Replace Hydraulic Oil Filter		
Replace Fuel Filter		



Service Checklist First 50 Hours



General Comments

Completed By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Maintenance Overview



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Nil Required Inspection Only

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators Manual			
Check for Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			
Check Level Engine Oil Top Up As Required			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Drum Oil Top Up As Required			
Check Rear Axle Oil Top Up As Required			
Check Rear Axle Pinion Housing Oil Top Up As Required			
Check Rear Planetary Gear Oil (Left & Right) Top Up As Required			
Check Main Engine Air Filter Element			
Check Safety Engine Air Filter Element			
Check Engine Drive Belt Adjust as Required			

General Comments

Inspected By: _____

Signature: _____



Service Maintenance Overview



To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Checklist 500 Hours



Dynapac CA1300-1400 IIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Description	Part Number	Qty
500 Hour Service Kit	4812159484	1
Dynapac Engine Oil 200 (5L)	4812161855	3

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators			
Check Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Drum Oil Top Up As Required			
Check Rear Axle Oil Top Up As Required			
Check Rear Planetary Gear Oil (Left & Right) Top Up As Required			
Check Rear Axle Pinion Housing Oil Top Up As Required			
Check Safety Engine Air Filter Element			
Check Breather Filter on Hydraulic Reservoir			

Maintenance Tasks

Task	Completed (mark with X)	Comments
Replace Engine Oil		
Replace Fuel Filter		
Replace Fuel Pre-Filter		
Replace Engine Oil Filter		
Replace Main Engine Air Filter Element		
Replace Engine Drive Belt		
Grease Controls and Joints		



Service Checklist 500 Hours



General Comments

Inspected By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Checklist 1,000 Hours



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Description	Part Number	Qty
1000 Hour Service Kit	4812159486	1
Dynapac Engine Oil 200 (5L)	4812161855	3
Dynapac Gear Oil 300 (5L)	4812161883	2

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators			
Check Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Drum Oil Top Up As Required			
Check Breather Filter on Hydraulic Reservoir			

Maintenance Tasks

Task	Completed (mark with x)	Comments
Replace Engine Oil		
Replace Rear Axle Oil		
Replace Rear Planetary Gear Oil (Left & Right)		
Replace Rear Axle Pinion Housing Oil		
Replace Fuel Filter		
Replace Fuel Pre-Filter		
Replace Engine Oil Filter		
Replace Hydraulic Oil Filter		



Service Checklist 1,000 Hours



Task Continued	Completed (mark with X)	Comments
Replace Main Engine Air Filter Element		
Replace Safety Engine Air Filter Element		
Grease Controls and Joints		
Drain Condensate in Hydraulic Reservoir		
Drain Condensate in Fuel Tank		
Replace Engine Drive Belt		
Check Engine Valve Clearance		

General Comments

Inspected By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Checklist 1500 Hours



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Description	Part Number	Qty
1500 Hour Service Kit	4812159488	1
Dynapac Engine Oil 200 (5L)	4812161855	3

General Inspection Tasks

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators			
Check Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			
Check Level Hydraulic Oil Top Up As Required			
Check Level Coolant Top Up As Required			
Check Drum Oil Top Up As Required			
Check Rear Axle Oil Top Up As Required			
Check Rear Planetary Gear Oil (Left & Right) Top Up As Required			
Check Rear Axle Pinion Housing Oil Top Up As Required			
Check Safety Engine Air Filter Element			
Check Breather Filter on Hydraulic Reservoir			

Maintenance Tasks

Task	Completed (mark with X)	Comments
Replace Engine Oil		
Replace Fuel Filter		
Replace Fuel Pre-Filter		
Replace Engine Oil Filter		
Replace Main Engine Air Filter Element		
Replace Engine Drive Belt		
Grease Controls and Joints		
Replace Engine Oil Separator Element		



Service Checklist 1500 Hours



General Comments

Inspected By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.



Service Checklist 2,000 Hours



Dynapac CA1300-1400 IIIB/Tier4F

Machine Model: _____

Serial Number: _____

Hour Meter Reading: _____

Date of Inspection: _____

Required Service Kits & Lubricants

Description	Part Number	Qty
2000 Hour Service Kit	4812159486	1
Dynapac Engine Oil 200 (5L)	4812161855	3
Dynapac Gear Oil 300 (5L)	4812161883	4
Dynapac Coolant 100 (20L)	4812161854	1
Dynapac Hydraulic 300 (20L)	4812161868	2

General Inspections

Task	OK	Not Ok	Comments
Check Light Functions, Work Lights, Beacon Light, etc.			
Check Function of Back Up Alarm			
Check Condition of Seat Belt and Mechanisms			
Check Function of Steering System			
Check Function of All Switches, Gauges and Indicators			
Check All Systems and Functions Operate as Per Operators Manual			
Check Evidence of Leaks in Systems			
Check Drum Scraper Position and Adjustment			
Check & Clean Free Circulation of Cooling Air			
Check Function of Brake System			
Check Drum Shock Absorbers and Bolts			
Check Platform Mount Rubbers			
Check & Clean Battery Condition			
Check Tyre Pressures			
Check Wheel Nut Tensions			

2,000 Hour Service Checklist

Task	Completed (mark with X)	Comments
Replace Engine Oil		
Replace Hydraulic Oil		
Replace Coolant		
Replace Drum Oil		
Replace Rear Axle Oil		
Replace Rear Planetary Gear Oil (Left & Right)		
Replace Rear Axle Pinion Housing Oil		
Replace Fuel Filter		
Replace Fuel Pre-Filter		



Service Checklist 2,000 Hours



Task Continued	Completed (mark with X)	Comments
Replace Engine Oil Filter		
Replace Hydraulic Oil Filter		
Replace Main Engine Air Filter Element		
Replace Safety Engine Air Filter Element		
Replace Breather Filter on Hydraulic Reservoir		
Grease Controls and Joints		
Drain Condensate in Hydraulic Reservoir		
Drain Condensate in Fuel Tank		
Replace Engine Drive Belt		
Check Engine Valve Clearance		
Check Artulation Point Wear and Movement		

General Comments

Inspected By: _____

Signature: _____

To be used as a reference only, always refer to the applicable Operators & Maintenance manual for confirm of correct service kits, lubricants and inspection tasks.

