

Date	Work Description	Plant No	Work Type
10/07/24	assemble grader 16m	GR66	MF - Maintenance Fitter
10/07/24	assemble grader	GR66	MF - Maintenance Fitter
11/07/24	grader repairs, get partsd ordered, remove steps,	GR66	MF - Maintenance Fitter
11/07/24	checkover	GR66	MF - Maintenance Fitter
19/07/24	Grader repairs, drill out broken bolts, mount new	GR66	MF - Maintenance Fitter
29/07/24	Grader repairs, remove blade side shift cylinder,	GR66	MF - Maintenance Fitter
30/07/24	Grader repairs,	GR66	MF - Maintenance Fitter
30/07/24	Grader repairs (remove front end, remove lift cyl	GR66	MF - Maintenance Fitter
31/07/24	grader repairs,	GR66	MF - Maintenance Fitter
31/07/24	grader erpairs, disassemble, remove accumulators, d	GR66	MF - Maintenance Fitter
01/08/24	ORDER & INSPECT PARTS DISASSEMBLE GRADER GR66	GR66	MF - Maintenance Fitter
06/08/24	Disassemble grader	GR66	MF - Maintenance Fitter
06/08/24	Disassemble grader, remove pins, remove spindles,	GR66	MF - Maintenance Fitter
07/08/24	GR66 repairs	GR66	MF - Maintenance Fitter
07/08/24	GR66 repairs	GR66	MF - Maintenance Fitter
09/08/24	fit accumulators and lft rams	GR66	MF - Maintenance Fitter
14/08/24	split spindles, fit bearings in frame, fit seals	GR66	MF - Maintenance Fitter
14/08/24	Removal of mine spec wiring	GR66	MF - Maintenance Fitter
14/08/24	removal of mine spec wiring	GR66	MF - Maintenance Fitter
15/08/24	Fit front frame into grader	GR66	MF - Maintenance Fitter
15/08/24	Removal of old wiring	GR66	MF - Maintenance Fitter
15/08/24	Remove fss	GR66	MF - Maintenance Fitter
16/08/24	Grader repairs	GR66	MF - Maintenance Fitter
16/08/24	grader repairs, rebuild spindles	GR66	MF - Maintenance Fitter
16/08/24	Cabin wiring repairs	GR66	MF - Maintenance Fitter
16/08/24	Cab repairs	GR66	MF - Maintenance Fitter
26/08/24	c/o A/C components, test & repair, washer wipers	GR66	MF - Maintenance Fitter
26/08/24	Removal of FSS, repair, reverse camera	GR66	MF - Maintenance Fitter
27/08/24	Remove fss	GR66	MF - Maintenance Fitter
28/08/24	rebuild spindle assembly's	GR66	MF - Maintenance Fitter
29/08/24	Grader repairs rebuild spindles press out pins	GR66	MF - Maintenance Fitter
30/08/24	Grader repairs, rebuild and assemble frnt end & re	GR66	MF - Maintenance Fitter
30/08/24	Hub assembly	GR66	MF - Maintenance Fitter
02/09/24	Grader repairs, replace ball joints, bearings, fit	GR66	MF - Maintenance Fitter
02/09/24	Rebuild assembly of front axle	GR66	MF - Maintenance Fitter
02/09/24	Rebuild assembly of front axle and blanch mount	GR66	MF - Maintenance Fitter
03/09/24	Help Jayke with GR66	GR66	LWGH - Labour Workshop General Hand
03/09/24	collect parts from CAT	GR66	LWGH - Labour Workshop General Hand
03/09/24	sort parts out	GR66	LWGH - Labour Workshop General Hand
03/09/24	Help with GR66	GR66	LWGH - Labour Workshop General Hand
03/09/24	Help with Grader66	GR66	LWGH - Labour Workshop General Hand
03/09/24	Repair c-frame bolts and fit c-frame	GR66	MF - Maintenance Fitter
04/09/24	Rebuild circle motor	GR66	MF - Maintenance Fitter
04/09/24	Rebuild circle drive assembly	GR66	MF - Maintenance Fitter
05/09/24	Help Jayke	GR66	LWGH - Labour Workshop General Hand
05/09/24	install circle drive, assemble & install circle mo	GR66	MF - Maintenance Fitter
05/09/24	complete machine inspection & parts order	GR66	MF - Maintenance Fitter
06/09/24	Complete circle adjustment, torque front wheel nut	GR66	MF - Maintenance Fitter
06/09/24	Begin hood removal, install blade, cylinder, compl	GR66	MF - Maintenance Fitter
09/09/24	Tandem, wheel removals, load removal	GR66	MF - Maintenance Fitter
09/09/24	Grader tandem job	GR66	MF - Maintenance Fitter
10/09/24	removal of battery box & tank, inspection & parts	GR66	MF - Maintenance Fitter
10/09/24	Wash & change out hoses uni's change out	GR66	MF - Maintenance Fitter
10/09/24	Remove Battery box, wash down machine, remove tand	GR66	MF - Maintenance Fitter
10/09/24	rehosing, wash down area	GR66	MF - Maintenance Fitter
10/09/24	NO DETAIL ON TIMESHEET	GR66	MF - Maintenance Fitter
11/09/24	Help Jayke with Grader	GR66	LWGH - Labour Workshop General Hand
11/09/24	pick up truck / help Jayke	GR66	LWGH - Labour Workshop General Hand
11/09/24	picking parts on tilt truck	GR66	LWGH - Labour Workshop General Hand
11/09/24	Helping with grader	GR66	LWGH - Labour Workshop General Hand
11/09/24	Disassemble tandems, measure chains, remove spindl	GR66	MF - Maintenance Fitter
11/09/24	Change out hydraulic powerstrain hoses	GR66	MF - Maintenance Fitter

11/09/24	Pulled apart tandems, rehousing grader	GR66	MF - Maintenance Fitter
11/09/24	Rehousing grader	GR66	MF - Maintenance Fitter
11/09/24	Repair wiring along frame	GR66	MF - Maintenance Fitter
11/09/24	Reinstall cab panels	GR66	MF - Maintenance Fitter
11/09/24	c/o front windscreen	GR66	MF - Maintenance Fitter
12/09/24	Pick up parts / help Jayke	GR66	LWGH - Labour Workshop General Hand
12/09/24	Clean GR66 coolant tank	GR66	LWGH - Labour Workshop General Hand
12/09/24	Help Jayke	GR66	LWGH - Labour Workshop General Hand
12/09/24	Removed fuel tank, washed machine, changed out hoses	GR66	MF - Maintenance Fitter
12/09/24	Changed out hoses, removed ladder, assemble hose,	GR66	MF - Maintenance Fitter
12/09/24	Re-hosing grader	GR66	MF - Maintenance Fitter
12/09/24	Re-hosing grader	GR66	MF - Maintenance Fitter
12/09/24	Fit dash cam, UHF, repair chassis wiring	GR66	MF - Maintenance Fitter
13/09/24	resealed air filter housing, replaced hitch hoses	GR66	MF - Maintenance Fitter
13/09/24	replaced hitch hoses, complete engine valve set	GR66	MF - Maintenance Fitter
13/09/24	Rehousing / assembling machine, done eng set adjust	GR66	MF - Maintenance Fitter
13/09/24	Repair wiring in cab	GR66	MF - Maintenance Fitter
16/09/24	William Adams parts	GR66	LWGH - Labour Workshop General Hand
16/09/24	wash radiator, install fuel tank	GR66	MF - Maintenance Fitter
16/09/24	Fitting fuel tank, Fitting battery house	GR66	MF - Maintenance Fitter
16/09/24	Rehousing fuel system fitted cabin ladder wash & cl	GR66	MF - Maintenance Fitter
17/09/24	Help Jayke with GR66	GR66	LWGH - Labour Workshop General Hand
17/09/24	Fit remaining hoses, prep for install, replace fin	GR66	MF - Maintenance Fitter
17/09/24	Install hood and fit out, fit rear side plates	GR66	MF - Maintenance Fitter
17/09/24	Fitting hood back on, eng house, remove all fire s	GR66	MF - Maintenance Fitter
17/09/24	Fitting rear light covers	GR66	MF - Maintenance Fitter
18/09/24	Help Jayke / Jamie	GR66	LWGH - Labour Workshop General Hand
18/09/24	Wash GR66 Tandoms	GR66	LWGH - Labour Workshop General Hand
18/09/24	Clean up / Help Jayke / Jamie	GR66	LWGH - Labour Workshop General Hand
18/09/24	Hood fit our / installchange out filters, fill oil	GR66	MF - Maintenance Fitter
18/09/24	change out leaking hoses, troubleshoot no start fa	GR66	MF - Maintenance Fitter
18/09/24	Fitting estops, made up estop box, top up oils, el	GR66	MF - Maintenance Fitter
18/09/24	Fitted tandem pivots cleaned up work area	GR66	MF - Maintenance Fitter
19/09/24	Grader rapairs	GR66	MF - Maintenance Fitter
19/09/24	Simed up prive & tandem pivtos and tronions	GR66	MF - Maintenance Fitter
19/09/24	Assembling tandems	GR66	MF - Maintenance Fitter
20/09/24	Clean wheels, fit wheels (rims)	GR66	MF - Maintenance Fitter
20/09/24	Change out trans pipes , install tandems	GR66	MF - Maintenance Fitter
20/09/24	Install tandem chains, tandem covers, bleed brakes	GR66	MF - Maintenance Fitter
20/09/24	Fitted new transpipes, tandems back on machine, ta	GR66	MF - Maintenance Fitter
23/09/24	Install blade assembly Install blade cylinder, sh	GR66	MF - Maintenance Fitter
23/09/24	Prep guards install, Repair guards	GR66	MF - Maintenance Fitter
23/09/24	Fitted blade	GR66	MF - Maintenance Fitter
23/09/24	Welded up all panels that are cracked	GR66	MF - Maintenance Fitter
23/09/24	Electrical wiring repairs	GR66	MF - Maintenance Fitter
23/09/24	Grease system repairs	GR66	MF - Maintenance Fitter
24/09/24	Asssit with panel repair, remove non required wirc	GR66	MF - Maintenance Fitter
24/09/24	Wire in front camera, fit all interior panels	GR66	MF - Maintenance Fitter
24/09/24	Welding up all pannels making grease lines	GR66	MF - Maintenance Fitter
24/09/24	Making grease lines	GR66	MF - Maintenance Fitter
25/09/24	Complete cabin install, change out cabin door, top	GR66	MF - Maintenance Fitter
25/09/24	Fit panels, run up and clean up work area	GR66	MF - Maintenance Fitter
25/09/24	welding panels making grease line	GR66	MF - Maintenance Fitter
25/09/24	Fitting P clamps on grease lines, fitting panels,	GR66	MF - Maintenance Fitter
26/09/24	Help Jayke / Luke / wash floor ute	GR66	LWGH - Labour Workshop General Hand
26/09/24	Replace implement ecu. Complete programming and hy	GR66	MF - Maintenance Fitter
26/09/24	Fit guarding, complete trans fill calibration, tro	GR66	MF - Maintenance Fitter
26/09/24	Moving strobe light, fixing roof panels	GR66	MF - Maintenance Fitter
26/09/24	A/C	GR66	MF - Maintenance Fitter
30/09/24	Clean threads & mount tandem walkways, reseal leak	GR66	MF - Maintenance Fitter
30/09/24	Fit gooseneck covers, seal starter motor mount, ca	GR66	MF - Maintenance Fitter
01/10/24	Reseal diff centre, adjust pinion rolling tongue,	GR66	MF - Maintenance Fitter
01/10/24	Change accumulators, clean up area	GR66	MF - Maintenance Fitter

02/10/24	Help with GR66	GR66	LWGH - Labour Workshop General Hand
02/10/24	Peel stickers / install	GR66	LWGH - Labour Workshop General Hand
02/10/24	Clean around, clean cab	GR66	MF - Maintenance Fitter
02/10/24	Help Jayke with GR66	GR66	LWGH - Labour Workshop General Hand
02/10/24	Pick up parts at CAT	GR66	LWGH - Labour Workshop General Hand
02/10/24	Top up fluids, paint required parts, remove and fi	GR66	MF - Maintenance Fitter
02/10/24	Alter five extinguisher brackets, , fit 9kg bracke	GR66	MF - Maintenance Fitter
03/10/24	Carried out repairs	GR66	LWGH - Labour Workshop General Hand
03/10/24	Carried out repairs	GR66	LWGH - Labour Workshop General Hand
03/10/24	Replace reverse camera replace GET, check over	GR66	MF - Maintenance Fitter
04/10/24	Clean up area, fill up fuel truck, repair door	GR66	MF - Maintenance Fitter
04/10/24	light repairs, stickers	GR66	MF - Maintenance Fitter
14/10/24	GPS Install	GR66	MF - Maintenance Fitter
14/10/24	GPS install	GR66	MF - Maintenance Fitter
14/10/24	GPS install	GR66	MF - Maintenance Fitter
15/10/24	Install door catches	GR66	MF - Maintenance Fitter
15/10/24	change out grease injectors & bleed set	GR66	MF - Maintenance Fitter
15/10/24	GPS install	GR66	MF - Maintenance Fitter
15/10/24	GPS Install	GR66	MF - Maintenance Fitter
15/10/24	C/O grease injectors	GR66	MF - Maintenance Fitter
15/10/24	GPS install	GR66	MF - Maintenance Fitter
25/10/24	Replace joy stick & repair beacon	GR66	MF - Maintenance Fitter
30/10/24	Fault alarm, low grease pump pressure, fill system	GR66	MF - Maintenance Fitter
31/10/24	Product link, check over grease reset faults	GR66	MF - Maintenance Fitter
14/11/24	remove leaking fuel hose, fit new, run up	GR66	MF - Maintenance Fitter
29/11/24	complete 250 hour service, fix defects	GR66	MF - Maintenance Fitter
29/11/24	250 hour Service Grader	GR66	MF - Maintenance Fitter
29/11/24	fixing GPS cables / diagnose filter leaking	GR66	MF - Maintenance Fitter
02/12/24	Change out implement filter housing, top up grease	GR66	MF - Maintenance Fitter
12/12/24	Remove windows and clean cab	GR66	MF - Maintenance Fitter
18/12/24	Change out GET	GR66	MF - Maintenance Fitter
07/01/25	Fill grease system & clear faults and run tests	GR66	MF - Maintenance Fitter
15/01/25	Change out fuel hose & prime system	GR66	MF - Maintenance Fitter
28/01/25	change out radio, tandem oil leak, brake circuit	GR66	MF - Maintenance Fitter
05/02/25	Tighten GPS system & cables	GR66	MF - Maintenance Fitter
28/02/25	1000 hour service	GR66	MF - Maintenance Fitter
03/03/25	Finish off service / fit new cutting edges	GR66	MF - Maintenance Fitter
03/03/25	Fix fuel leaks / fix trans leak	GR66	MF - Maintenance Fitter
20/03/25	change out ripper	GR66	MF - Maintenance Fitter
20/03/25	Change out blasé slides	GR66	MF - Maintenance Fitter
21/03/25	complete blade slide change out	GR66	MF - Maintenance Fitter
21/03/25	slides	GR66	MF - Maintenance Fitter
08/04/25	Troubleshoot auto greaser fault, clean/reset fill	GR66	MF - Maintenance Fitter
14/04/25	Complete 250 Hour Service	GR66	MF - Maintenance Fitter
15/04/25	Change out cutting edges & ripper boot pins	GR66	MF - Maintenance Fitter
15/04/25	replace brake application hoses & bleed brakes	GR66	MF - Maintenance Fitter
07/05/25	adjust all blade slides, check excessive movement	GR66	MF - Maintenance Fitter
23/05/25	Adjust circle clearances, repair leaking hoses x 2	GR66	MF - Maintenance Fitter
23/05/25	perform 500 hour service	GR66	MF - Maintenance Fitter
23/05/25	Assemble new grease lines for replacement	GR66	MF - Maintenance Fitter
26/05/25	Change out front axle grease line & prime & test	GR66	MF - Maintenance Fitter
28/05/25	troubleshoot elec fault	GR66	MF - Maintenance Fitter
28/05/25	change out wheel bearing oil	GR66	MF - Maintenance Fitter
04/06/25	Check over & Parts Order	GR66	MF - Maintenance Fitter
12/06/25	change out ripper boots & pins	GR66	MF - Maintenance Fitter
13/06/25	change out door latch rod & cable frease machine	GR66	MF - Maintenance Fitter
16/06/25	Troubleshoot starter relay fault, test relay & wir	GR66	MF - Maintenance Fitter
25/06/25	disassemble grease tank. Clean out & assemble trou	GR66	MF - Maintenance Fitter
23/07/25	Check over machine, defects and oil leaks	GR66	MF - Maintenance Fitter
23/07/25	Defects	GR66	MF - Maintenance Fitter
24/07/25	Perform 250hr service	GR66	MF - Maintenance Fitter
24/07/25	Check over and repairs	GR66	MF - Maintenance Fitter
24/07/25	Inspection	GR66	MF - Maintenance Fitter

24/07/25	Service	GR66	MF - Maintenance Fitter
24/07/25	Defects	GR66	MF - Maintenance Fitter
25/07/25	Service, Change out G.E.T, machine defects	GR66	MF - Maintenance Fitter
25/07/25	G.E.T Blades	GR66	MF - Maintenance Fitter
28/07/25	Machine defects, cert form	GR66	MF - Maintenance Fitter
28/07/25	Remove P5 wheel, brake, strip and clean	GR66	MF - Maintenance Fitter
28/07/25	P5 brake repairs, clean and re-race	GR66	MF - Maintenance Fitter
29/07/25	Machine defects, assist with wheel assembly	GR66	MF - Maintenance Fitter
29/07/25	P5 brake repairs	GR66	MF - Maintenance Fitter
30/07/25	Pos 5 brake, RH steer up leak	GR66	MF - Maintenance Fitter
13/08/25	Blade slides/ defects	GR66	MF - Maintenance Fitter
19/08/25	Blown hose	GR66	MF - Maintenance Fitter
22/08/25	Diagnose blown hose, manufactures new hose	GR66	MF - Maintenance Fitter
27/08/25	Check over, defects, grease, top up fluids	GR66	MF - Maintenance Fitter
27/08/25	Inspection	GR66	MF - Maintenance Fitter
02/09/25	Machine defects, Hydraulic lines	GR66	MF - Maintenance Fitter
04/09/25	Replace steel lines for rippers/ defects	GR66	MF - Maintenance Fitter
12/09/25	Elec fault centre artic- re calibrate	GR66	MF - Maintenance Fitter
12/09/25	Defects and air cleaner	GR66	MF - Maintenance Fitter
16/09/25	Fault codes, grease lines, auto greaser	GR66	MF - Maintenance Fitter
24/09/25	Troubleshoot fault code, change out air cleaner	GR66	MF - Maintenance Fitter
25/09/25	Perform 1000hr service	GR66	MF - Maintenance Fitter
25/09/25	Service 1000hr	GR66	MF - Maintenance Fitter
29/09/25	1000hr Service, filters top up fluids	GR66	MF - Maintenance Fitter
29/09/25	1000 hr Service	GR66	MF - Maintenance Fitter
07/10/25	Replaced and re calibrated artic sensors	GR66	MF - Maintenance Fitter
15/10/25	ripper boots check oil leak , arm rest	GR66	MF - Maintenance Fitter
20/10/25	Circle rebuild, defects	GR66	MF - Maintenance Fitter
20/10/25	Replace wear strips, circle top/ bottom, shim cir	GR66	MF - Maintenance Fitter
20/10/25	Replace circle wear strips and shims/ adjust	GR66	MF - Maintenance Fitter
21/10/25	Circle repairs, adjust blade slides	GR66	MF - Maintenance Fitter
28/10/25	Sideshift cylinder repairs	GR66	MF - Maintenance Fitter
30/10/25	Re seal and fit side shift cylinder	GR66	MF - Maintenance Fitter
11/11/25	Fault codes- change out air cleaner	GR66	MF - Maintenance Fitter
11/11/25	Electrical fault- Hydraulic transmission	GR66	MF - Maintenance Fitter
11/11/25	Electrical fault	GR66	MF - Maintenance Fitter
12/11/25	Wiring fault	GR66	MF - Maintenance Fitter
12/11/25	Panels and hydraulic leaks	GR66	MF - Maintenance Fitter
12/11/25	Diagnose, repair and Reassemble- Electrical fault	GR66	MF - Maintenance Fitter
13/11/25	Refitter interior	GR66	MF - Maintenance Fitter
24/11/25	Fault codes	GR66	MF - Maintenance Fitter
24/11/25	Auto lube system	GR66	MF - Maintenance Fitter
25/11/25	Repair broken Grease lines	GR66	MF - Maintenance Fitter
12/12/25	Hydraulic Hose	GR66	MF - Maintenance Fitter
15/12/25	Inspect and maintain Hyd hose, top up fluids, chec	GR66	MF - Maintenance Fitter
15/12/25	Replace cutting edges	GR66	MF - Maintenance Fitter
15/12/25	G.E.T	GR66	MF - Maintenance Fitter
	GR66 - Replace sump gasket		
	GR66 CAT 16M Grader - Service Schedule Step 500		
	GR66- Cutting edges worn		
	GR66- Hydraulic Hoses		
	GR66- Ripper boots		
	GR66- Auto Greaser		
	GR66- Repair hydraulic oil leaks		
	GR66- Clean and wash radiator		
	GR66- Wash and demobe ready for off site		
	GR66 - Troubleshoot elec fault		
	GR66 - Change out G.E.T cutting edges and rotate rippers		



**Accident Prevention**

Read and understand safety warning in the operation and maintenance manual

Have you completed a take 2?

Have your job circumstances change since completing your take 2?

**16G / 16H Grader 250 Hour Service Sheet**

<b>Date:</b>	11/2/25	<b>Name:</b>	DION ROBERTS		
<b>Plant ID:</b>	GR-66	<b>Service Type:</b>	250 Hour	<b>Machine Hours:</b>	65,261 Hrs
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				

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**Prepared By:** David McNicol    **Date:** 05/02/2018    **Approved By:** John Stokes    **Date:** 05/02/2018  
**Rev. No:** 1    **Date Implemented:** 05/02/2018

250 HR LUBE SERVICE		INITIAL
<b>SAMPLE:</b>	Engine	F
	Transmission	R
<b>CHANGE:</b>		
	Engine oil	F
	Engine oil filters	F
	Fuel filters	F
	Primary air filter	F
	Cab air conditioner / heater filters	F
<b>CLEAN:</b>		
	Batteries and terminals	F
	Engine breather	F
	Primary fuel screen	F
	Transmission screens	F
	Transmission and diff housing breather	F
<b>CHECK:</b>		
	Daily service	F
	Front wheel hub oil levels	F
	Circle drive housing oil level	F
	Tandem oil levels	F
	Transmission oil levels	F
	Hydraulic oil levels	F
	Coolant level	F
	Engine air filter secondary element	F
	Drain water from air tank	F
	Drain fuel system water separator	F
	Drain sediment from fuel tank	F
	Battery cable	F
	Battery electrolyte level	F
<b>GREASE:</b>		
	Fan hub bearing (HAND GUN ONLY) (NO MINE GREASE)	
	PTO driveshaft slip joint	F
	Universal joints	F
	Articulation hitch bearings	F
	Fill auto grease system	F

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**250HR MECHANICAL SERVICE****KEY:**

1. Defect found and repaired
2. Defect found and recorded, machine still OK
3. OK
4. Not applicable

**CHECK:**

	1	2	3	4
Condition and tension of V belts			✓	
Universal joints for wear			✓	
Drawbar ball bush wear			✓	
Blade and circle adjustment			✓	
All blade and circle balls and bushes etc. for movement			✓	
Articulation hitch bearing for movement			✓	
Articulation cylinder pin wear			✓	
Air conditioner – condition and operation			✓	
Operation of hydraulic controls			✓	
Frame and attachments for cracks			✓	
Fuel system for loose bolts and fittings			✓	
All hoses for general condition and chaffing			✓	
Cooling system hoses for condition and clamps for tightness			✓	
Induction system for leaks and clamps for tightness			✓	
Engine and transmission mounts			✓	
Exhaust system for leaks, clamps and bolts for tightness			✓	
Radiator for debris (wash if necessary)			✓	
That all points are receiving grease			✓	
Operation of park brake interlock			✓	
Magnetic plug conditions*:                      RHF(        )                      LHF(        )				

**\*LEGEND:**

OK – OK    P – Paste    HP – Heavy Paste    LF – Light Flakes    HF – Heavy Flakes (return to foreman)

**CHECK TYRE PRESSURES:**

	POS 1	POS 2	POS 3	POS 4	POS 5	POS 6
Actual:	50	50	50	50	50	50
Adjusted:						

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**SAFETY CHECK TO BE CARRIED OUT EVERY SERVICE**

**NOTE:** Boxes A - F are to be initialled by person carrying out safety checks.  
Every person carrying out these checks **must** also sign off Safety Check Sheet before the end of each shift.

- KEY:**
- A. **Machine is not safe**, defect must be repaired
  - B. Defect found, authorisation required before returning to work
  - C. Defect found and recorded, machine safe to operate
  - D. Defect found and repaired
  - E. OK
  - F. Not applicable

<b>CHECK:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
Service Brake Operation 1. This test must be carried out on a hard dry level surface, clear of personnel and obstacles. Seat belt must be worn. 2. Start the engine and slightly raise the blade. Depress the decelerator control pedal and the service brake control pedal simultaneously. 3. Move gear to THIRD SPEED FORWARD position. Increase the engine speed to high idle. 4. Gradually release the decelerator control pedal. The machine should not move and the engine should stall. 5. Engage park brake and lower the blade to the ground.					✓	
Emergency/ Park Brake 1. This test must be carried out on a hard dry surface, clear of personnel and obstacles. Seat belt must be worn. 2. Position the machine upward on a 20 percent slope. 3. Engage the parking brake and release the service brake. The wheels should not rotate. If the wheels rotate, apply the service brake.					✓	
Steering operation					✓	
Emergency steering operation					✓	
Seat belt – retainers and operation					✓	
Horns – air/electric					✓	
Wipers					✓	
Mirrors					✓	
Seats – suspension adjustment/condition					✓	
Doors					✓	
Windows					✓	
Gauges					✓	
Operation of shift tower					✓	
Grab rails					✓	
Fire extinguishers – invert and shake to loosen powder					✓	
Fire suppression bottle charge						✓
Tyre condition					✓	

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 <b>GARRAWAY GROUP</b>	Integrated Management System	Quality Form	Document No. MAF0075	16G / 16H Grader 1000 Hour Service Sheet	Page 1 of 6
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<b>Accident Prevention</b> Read and understand safety warning in the operation and maintenance manual Have you completed a take 2? Have your job circumstances change since completing your take 2?					
<b>16G / 16H Grader 1000 Hour Service Sheet</b>					
<b>Date:</b>	25/09/25	<b>Name:</b>	DION DAVE		
<b>Plant ID:</b>	GR66	<b>Service Type:</b>	1000 Hour	<b>Machine Hours:</b>	65,020 HRS
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				

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**Prepared By:** Troy Slorach    **Date:** 31/08/2020    **Approved By:** Troy Slorach    **Date:** 31/08/2020  
**Rev. No:** 1    **Date Implemented:** 31/08/2020

1000 HR LUBE SERVICE		INITIAL
<b>SAMPLE:</b>	Engine	M
	Transmission	M
	Hydraulic	M
	Tandems	M
<b>CHANGE:</b>		
	Engine oil	F.
	Engine oil filters	K.
	Fuel filters	F.
	Transmission oil	F.
	Transmission filter	F.
	Circle drive oil	M
	Hydraulic filter	F.
	Hydraulic tank breather	F.
	Front wheel hub oil	M
	Primary air filter	PK
	Secondary air filter	PK
	Cab air conditioner / heater filters	F.
	Air dryer desiccant	F.
<b>CLEAN:</b>		
	Batteries and terminals	M
	Engine breather	K.
	Primary fuel screen	M
	Transmission screens	F.
	Transmission breather	F.
	Diff housing breather	F.
	Cooling system relief valve	F.
<b>CHECK:</b>		
	Daily service	ML
	Front wheel hub oil levels	ML
	Circle drive housing oil level	M
	Tandem oil levels	M
	Transmission oil levels	F.
	Hydraulic oil levels	F.
	Coolant level	K

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<input checked="" type="checkbox"/>	Cooling system pressure cap	✓
<input checked="" type="checkbox"/>	Drain water from air tank	✓
<input checked="" type="checkbox"/>	Drain fuel system water separator	✓
<input checked="" type="checkbox"/>	Drain sediment from fuel tank	✓
<input checked="" type="checkbox"/>	Battery cable	✓
<input checked="" type="checkbox"/>	Battery electrolyte level	✓
<input checked="" type="checkbox"/>	ROP's	✓

**GREASE:**

<input checked="" type="checkbox"/>	Fan hub bearing (HAND GUN ONLY) (NO MINE GREASE)	✓
<input checked="" type="checkbox"/>	PTO driveshaft slip joint	✓
<input checked="" type="checkbox"/>	Universal joints	✓
<input checked="" type="checkbox"/>	Articulation hitch bearings	✓
<input checked="" type="checkbox"/>	Fill auto grease system	✓

**1000HR MECHANICAL SERVICE**

**KEY:**

1. Defect found and repaired
2. Defect found and recorded, machine still OK
3. OK
4. Not applicable

**CHECK:**

	1	2	3	4
Condition and tension of V belts			✓	
Universal joints for wear			✓	
Drawbar ball bush wear			✓	
Blade and circle adjustment			✓	
All blade and circle balls and bushes etc. for movement			✓	
Articulation hitch bearing for movement			✓	
Articulation cylinder pin wear			✓	
Air conditioner – condition and operation			✓	
Operation of hydraulic controls			✓	
Frame and attachments for cracks			✓	
Fuel system for loose bolts and fittings			✓	
Fuel line supply support clamps			✓	
Hydraulic system for damaged lines and loose fittings			✓	
All hoses for general condition and chaffing			✓	
Cooling system hoses for condition and clamps for tightness			✓	

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Induction system for leaks and clamps for tightness					✓
Engine and transmission mounts					✓
Exhaust system for leaks, clamps and bolts for tightness					✓
Radiator for debris (wash if necessary)					✓
That all points are receiving grease					✓
Operation of park brake interlock					✓
Fan hub and jockey pullet bearings for excessive movement					✓
Front axle assembly for excessive pin to bush movement					✓
Blade cushion accumulators for charge and operation					✓
Cab mounts					

Magnetic plug conditions\*:                      RHF( OK )                      LHF( OK )

**\*LEGEND:**

OK – OK    P – Paste    HP – Heavy Paste    LF – Light Flakes    HF – Heavy Flakes (return to foreman)

**CHECK TYRE PRESSURES:**

	POS 1	POS 2	POS 3	POS 4	POS 5	POS 6
Actual:	40	40	40	40	40	40
Adjusted:	40	40	40	40	40	40

**SAFETY CHECK TO BE CARRIED OUT EVERY SERVICE**

**NOTE:** Boxes A - F are to be initialled by person carrying out safety checks.

Every person carrying out these checks **must** also sign off Safety Check Sheet before the end of each shift.

**KEY:**

- A. **Machine is not safe**, defect must be repaired
- B. Defect found, authorisation required before returning to work
- C. Defect found and recorded, machine safe to operate
- D. Defect found and repaired
- E. OK
- F. Not applicable

**CHECK:**

	A	B	C	D	E	F
<b>Service Brake Operation</b> 1. This test must be carried out on a hard dry level surface, clear of personnel and obstacles. Seat belt must be worn. 2. Start the engine and slightly raise the blade. Depress the decelerator control pedal and the service brake control pedal simultaneously. 3. Move gear to THIRD SPEED FORWARD position. Increase the engine speed to high idle. 4. Gradually release the decelerator control pedal. The machine should not move and the engine should stall. 5. Engage park brake and lower the blade to the ground.					✓	

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<b>Emergency/ Park Brake</b> 1. This test must be carried out on a hard dry surface, clear of personnel and obstacles. Seat belt must be worn. 2. Position the machine upward on a 20 percent slope. 3. Engage the parking brake and release the service brake. The wheels should not rotate. If the wheels rotate, apply the service brake.						
<b>CHECK:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
Steering operation					✓	
Emergency steering operation					M	
Seat belt – retainers and operation					M	
Horns – air/electric					✓	
Wipers					✓	
Mirrors					M	
Seats – suspension adjustment/condition					✓	
Doors					✓	
Windows					✓	
Gauges					✓	
Operation of shift tower					✓	
Grab rails					M	
Fire extinguishers – invert and shake to loosen powder					✓	
Fire suppression bottle charge						✓
Tyre condition					✓	
Lights					M	
Reverse alarm					M	
Wheel nuts					M	
Cab condition					CP	
Audible alarm and warning lights					✓	
Operation of emergency stop					✓	
Steps					M	
Pin and retainers					M	
Accumulation of fuel, oil, grease etc. that may cause a fire hazard					✓	
Two way radio operation					M	
Fuel leaks					M	

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Functional Loc.	Description	Date	Counter readi	Meas/TotCtrRdg
2611GR0611	(GR611) Cat 16m Motor Grader	27/10/2023	63,755.00	63,755.00
2611GR0611-ACO	Air Conditioner Compressor	27/10/2023	3,164.20	63,755.00
2611GR0611-AES	Alternator	27/10/2023	7,553.10	63,755.00
2611GR0611-AES	Starter Motor	27/10/2023	3,164.20	63,755.00
2611GR0611-BKS	Brake Accumulator Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-BKS	Brake Accumulator Right Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-BKS	Brake & Fan Cooling Pump	27/10/2023	15,799.00	63,755.00
2611GR0611-BKS	Brakes Left Hand Front	27/10/2023	7,925.50	63,755.00
2611GR0611-BKS	Brakes Left Hand Rear	27/10/2023	15,799.00	63,755.00
2611GR0611-BKS	Brakes Right Hand Front	27/10/2023	15,799.00	63,755.00
2611GR0611-BKS	Brakes Right Hand Rear	27/10/2023	15,799.00	63,755.00
2611GR0611-CAB	Cabin	27/10/2023	15,799.00	63,755.00
2611GR0611-CAB	Seat	27/10/2023	5,559.80	63,755.00
2611GR0611-CSY	Fan Assembly	27/10/2023	15,799.00	63,755.00
2611GR0611-CSY	Hydraulic Fan Motor	27/10/2023	15,799.00	63,755.00
2611GR0611-CSY	Radiator	27/10/2023	3,164.20	63,755.00
2611GR0611-CSY	Thermostat/water Temp Regulat	27/10/2023	3,164.20	63,755.00
2611GR0611-CSY	Water Pump	27/10/2023	3,164.20	63,755.00
2611GR0611-DTS	Final Drive & Brake Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-DTS	Final Drive & Brake Right Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-DTS	Axle Hub Assembly Left Hand Front	27/10/2023	15,799.00	63,755.00
2611GR0611-DTS	Axle Hub Assembly Right Hand Front	27/10/2023	15,799.00	63,755.00
2611GR0611-DTS	Tandem Drive Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-DTS	Tandem Drive Right Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-ENG	Engine	27/10/2023	15,799.00	63,755.00
2611GR0611-ENG	Turbocharger	27/10/2023	3,164.20	63,755.00
2611GR0611-ENG	Diesel Engine Fuel Injector	27/10/2023	3,164.20	63,755.00
2611GR0611-ENG	Fuel Transfer Pump	27/10/2023	3,164.20	63,755.00
2611GR0611-FSS	Fire Sys Agent Tanks	27/10/2023	15,799.00	63,755.00
2611GR0611-HSY	Implement And Steering Pump	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Blade	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Blade Lift Cylinder Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Blade Lift Cylinder Right Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Centre Shift Cylinder	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Ground Engaging Tools.	27/10/2023	1,754.30	63,755.00
2611GR0611-IML	Hydraulic Accumulator Front	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Hydraulic Accumulator Rear	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Side Shift Cylinder	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Tip Cylinder	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Circle Assembly	27/10/2023	3,164.20	63,755.00
2611GR0611-IML	Circle Drive	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Ripper	27/10/2023	15,799.00	63,755.00
2611GR0611-IML	Ripper Lift Cylinder	27/10/2023	15,799.00	63,755.00

2611GR0611-MAC	Articulation Cylinder Left Hand Side	27/10/2023	5,262.50	63,755.00
2611GR0611-MAC	Articulation Cylinder Right Hand Side	27/10/2023	5,262.50	63,755.00
2611GR0611-MAC	Frame Front	27/10/2023	15,799.00	63,755.00
2611GR0611-MAC	Frame Rear	27/10/2023	15,799.00	63,755.00
2611GR0611-PTR	Differential	27/10/2023	15,799.00	63,755.00
2611GR0611-PTR	Drive Shafts	27/10/2023	3,164.20	63,755.00
2611GR0611-PTR	Transmission	27/10/2023	8,315.00	63,755.00
2611GR0611-STG	Steering Cylinder Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Ball Stud Left Hand Outer	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Steering Cylinder Right Hand Side	27/10/2023	2,075.60	63,755.00
2611GR0611-STG	Ball Stud Right Hand Outer	27/10/2023	2,075.60	63,755.00
2611GR0611-STG	Secondary Steering Pump	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Tie Rods	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Tie Rod End Left Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Tie Rod End Right Hand Side	27/10/2023	15,799.00	63,755.00
2611GR0611-STG	Wheel Lean Cylinder	27/10/2023	15,799.00	63,755.00
2611GR0611-TRI	Tyre Pos 1	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Tyre Pos 2	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Tyre Pos 3	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Tyre Pos 4	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Tyre Pos 5	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Tyre Pos 6	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 1	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 2	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 3	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 4	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 5	27/10/2023	63,755.00	63,755.00
2611GR0611-TRI	Wheel Rim Pos 6	27/10/2023	63,755.00	63,755.00