

W/O No	Asset No	Asset Description	Finished Date/Time	Job Type	Description	Downtime	Repair Time	Component Code	Department	Parent Asset	Labour Costs	Material Costs	Other Costs
				COMP - Site Intro Insp &									
01494	MS44	CATERPILLAR 140M MOTOGRADER	18-Nov-25	Stat Inspections	MS44 MNM Site Introduction		4 hr 10min		MNM				
01422	MS44	CATERPILLAR 140M MOTOGRADER	4-Sep-25	Repairs	LH Indicator stuck on				GRV				
01403	MS44	CATERPILLAR 140M MOTOGRADER	29-Jul-25	Repairs	MS44 hose assembly				GRV				
				COMP - NDT									
01389	MS44	CATERPILLAR 140M MOTOGRADER	28-Jul-25	Inspection	MS44 NDT Steering pins and spindles				GRV				
				Preventative									
01367	MS44	CATERPILLAR 140M MOTOGRADER	4-Sep-25	Maintenance	500 HOUR SERVICE (CAT 140 GRADER)				GRV				
01697	MS44	CATERPILLAR 140M MOTOGRADER	24-Feb-25	Repairs	(Orig. WO: 01208) Won't select 7th or 8th gear.				GRV				
01677	MS44	CATERPILLAR 140M MOTOGRADER	29-Apr-25	General	(Orig. WO: 01497) Supply parts to Cameby for MS44, bulbs sent in MS94 backhoe				GRV				
01700	MS44	CATERPILLAR 140M MOTOGRADER	17-Feb-25	Repairs	(Orig. WO: 01179) RH Window wiper button is broken (Orig. WO: 01181) Reverse camera speaker is loud and needs to be turned off/volume lowered				GRV				
01698	MS44	CATERPILLAR 140M MOTOGRADER	17-Feb-25	Repairs	(Orig. WO: 00799) Reverse camera not operating again.				GRV				
01706	MS44	CATERPILLAR 140M MOTOGRADER	6-Jan-25	Repairs	(Orig. WO: 00908) Replace Serpentine Belt at 8000hr service				GRV				
01701	MS44	CATERPILLAR 140M MOTOGRADER	27-Jan-25	Repairs					GRV				
01661	MS44	CATERPILLAR 140M MOTOGRADER	22-Sep-24	Capital	(Orig. WO: 00238) Replace Roof Triangle with smaller version to lower travel height.				GRV				
01696	MS44	CATERPILLAR 140M MOTOGRADER	5-Mar-25	Repairs	(Orig. WO: 01266) Replace front articulation cylinder bushes				GRV				
01722	MS44	CATERPILLAR 140M MOTOGRADER	30-Sep-24	Repairs	(Orig. WO: 00266) Replace Air Filter End Cap and Indicator. (parts ordered)				GRV				
01713	MS44	CATERPILLAR 140M MOTOGRADER	24-Oct-24	Repairs	(Orig. WO: 00533) Rear Camera stops working.				GRV				
01637	MS44	CATERPILLAR 140M MOTOGRADER	4-Mar-25	TYRE	(Orig. WO: 01260) POS 2 tyre is not suitable for cameby project				GRV				
				COMP - 24W Statutory	(Orig. WO: 01264) Perform Cameby brake test, include brake test slips, MSS brake test form and your brake test certificate. place in plastic slip in cab of vehicle with inspection paperwork.								
01625	MS44	CATERPILLAR 140M MOTOGRADER	4-Mar-25	Inspection	(Orig. WO: 00265) Over Voltage faults logged on Vision Link & check Drawbar Ball greasing correctly.				GRV				
01723	MS44	CATERPILLAR 140M MOTOGRADER	15-Sep-24	Repairs	(Orig. WO: 01032) Operator Scraped the blade with the tyre whilst articulated. Tyre is ok.				GRV				
01676	MS44	CATERPILLAR 140M MOTOGRADER	30-Jan-25	Damage					GRV				
				COMP - Scheduled									
01609	MS44	CATERPILLAR 140M MOTOGRADER	26-Feb-25	Inspections	(Orig. WO: 00196) MS44 NDT Inspection				GRV				
				COMP - 12W Statutory									
01608	MS44	CATERPILLAR 140M MOTOGRADER	9-Nov-24	Inspection	(Orig. WO: 00166) MS44 GRV Brake Test				GRV				
				COMP - Site Intro Insp &									
01607	MS44	CATERPILLAR 140M MOTOGRADER	22-Jan-25	Stat Inspections	(Orig. WO: 00667) MS44 GRV 12W Brake Test				GRV				
				COMP - Scheduled									
01610	MS44	CATERPILLAR 140M MOTOGRADER	26-Feb-25	Inspections	(Orig. WO: 00197) MS44 4 x Accumulators Inspection				Cameby				
				COMP - Fire Equipment									
01614	MS44	CATERPILLAR 140M MOTOGRADER	25-Jan-25	Inspection	(Orig. WO: 00896) MS44 - Level 1 Fire Inspection				Cameby				
				COMP - NDT									
01665	MS44	CATERPILLAR 140M MOTOGRADER	17-Aug-25	Inspection	(Orig. WO: 01270) MS44 - Ball Studs & Spindle Inspection				Cameby				
					(Orig. WO: 01347) MS 44 has lost the ability to articulate to the left. When straight and level, the indicator gauge is reading full left. There is some movement left but very little. No damaged pins, cylinders in place, no codes and no oil leaks. When the self centring button is activated, the machine articulates Full right.				Cameby				
01694	MS44	CATERPILLAR 140M MOTOGRADER	13-Apr-25	Repairs	(Orig. WO: 00676) Intermittent fault with reverse camera system				Cameby				
01708	MS44	CATERPILLAR 140M MOTOGRADER	23-Nov-24	Repairs	(Orig. WO: 00575) Fire suppression alarming.				Cameby				
01710	MS44	CATERPILLAR 140M MOTOGRADER	28-Oct-24	Repairs	(Orig. WO: 00236) Coolant reservoir is sun damaged				Cameby				
01725	MS44	CATERPILLAR 140M MOTOGRADER	10-Sep-24	Repairs	(Orig. WO: 00409) Camera Cuts Out. 20240908_MS44_MRF8879_GRV (SC)				Cameby				
01719	MS44	CATERPILLAR 140M MOTOGRADER	9-Sep-24	Repairs					Cameby				
				COMP - Site Intro Insp &									
01667	MS44	CATERPILLAR 140M MOTOGRADER	2-Mar-25	Stat Inspections	(Orig. WO: 01237) Cameby Site Intro inspection checks & install Cameby Radio				Cameby				
01699	MS44	CATERPILLAR 140M MOTOGRADER	17-Feb-25	Repairs	(Orig. WO: 01180) Cabin pressure sensor alarming				Cameby				
01724	MS44	CATERPILLAR 140M MOTOGRADER	16-Oct-24	Repairs	(Orig. WO: 00237) Cab pressure is dropping				Cameby				
01726	MS44	CATERPILLAR 140M MOTOGRADER	16-Sep-24	Repairs	(Orig. WO: 00219) Articulation creaking even after being greased twice.				Cameby				
01714	MS44	CATERPILLAR 140M MOTOGRADER	20-Oct-24	Repairs	(Orig. WO: 00532) Air Con stopped working.				Cameby				
				Preventative									
01644	MS44	CATERPILLAR 140M MOTOGRADER	27-Jan-25	Maintenance	(Orig. WO: 01091) 8000HR SERVICE (CAT 140 GRADER)				Cameby				
				Preventative									
01648	MS44	CATERPILLAR 140M MOTOGRADER	22-Nov-24	Maintenance	(Orig. WO: 00668) 7750hr Service				Cameby				
				Preventative									
01654	MS44	CATERPILLAR 140M MOTOGRADER	26-Sep-24	Maintenance	(Orig. WO: 00256) 7500HR Service				Cameby				
01711	MS44	CATERPILLAR 140M MOTOGRADER	28-Oct-24	Repairs	(Orig. WO: 00568) (CANCELLED) phone call from site supervisor advised of operator error. Diff lock light flashing, diff lock will not engage. Articulation creaking again.				Cameby				
					MS 44 has lost the ability to articulate to the left. When straight and level, the indicator gauge is reading full left. There is some movement left but very little. No damaged pins, cylinders in place, no codes and no oil leaks. When the self centring button is activated, the machine articulates Full right.								
01347	MS44	CATERPILLAR 140M MOTOGRADER	13-Apr-25	Repairs					Cameby				

01497	MS44	CATERPILLAR 140M MOTOGRADER	29-Apr-25	General COMP - Fire Equipment	Supply parts to Cameby for MS44, bulbs sent in MS94 backhoe		Cameby					
01350	MS44	CATERPILLAR 140M MOTOGRADER	28-Jul-25	Inspection	MS44 Level 1 Fire Suppression Inspection Transmission Oil Leak. 24.08.2024_MWR_WA - Replace seal.(SC) 06.08.2024_MWR_IH - Look on SIS at schematic for transmission on how to approach for repair of leak. Maintenance manager wants to hold off until tandem pivot leak repaired (SM) 22.07.2024_MWR_SC - Bring into workshop, remove covers, Evaluate leak from transmission- SC (SM)		GRV					
13477	MS44	CATERPILLAR 140M MOTOGRADER	8/28/2024	Repairs	NDT & PVI Inspection 29.08.2024_MWR_IH - Check SIS for spindle assembly, look in workshop for Loctite, could not find anywhere. Travel to MHF, no Loctite in stock, return to workshop, travel to Xceed, no medium blue Loctite in stock as SIS suggests. \$20 for a small bottle of red. Travel to Hoses 24, only red in stock, purchase on credit card large bottle. Brake clean all parts having been disassembled, fit keeper plate and shims to relative side Loctite bolts and torque to 90 ft lb where possible using crows foot adaptor and torque wrench. Crows foot started spreading so confirmed tension with double ended spanners. Remove filler bung, Flush bearings with gear oil, replace o rings on both bearing caps. Fit caps, fill bearings to level as per filler bung, replace bung. Fit wheel assemblies, rattle up wheel bolts, raise front of machine and remove stands, lower stands, torque wrench wheel bolts 550ft lb as torque wrench goes no higher W/O 13460 3hrs IH 28.08.2024_MWR_IH - Bring Machine into workshop, raise from axle and place on stands. Remove front axle wheel assemblies, consult SIS for parts schematic, remove bearing covers, remove spindle keeper plates and pre-load shims being sure not to separate (SC) 08.08.2024_Report received from AIS (BB) 26.07.2024_AIS emailed (Kylie)_AIS completed the inspection_MS44 spindles weren't ready for inspection. 1 steering cylinder was being replaced so when Brandon has it back together, he'll remove cover plates to access the spindles. He is hoping that will be Monday which will work out as I have CO2 to complete. (BB) 22.07.2024_Brie has scheduled AIS to be at the Workshop to complete Friday 26.07.2024 (BB)	0	0	Workshop Mbh		300	0	0
13460	MS44	CATERPILLAR 140M MOTOGRADER	8/28/2024	Compliance	Adrian advised the POS 2 Tyre still has a slow leak. 06.08.2024_Tyre repaired by Bridgestone (Coalfields Tyre & Mech) (SM) 06.08.2024_MWR_IH - Remove RHS front (POS 2) rim, take rim/tyre assembly to Bridgestone Moranbah. Return to Bridgestone to show tyre fitter where puncture point was as they could not find. Return again to collect, Bridgestone had your details so was going to forward on the invoice to you for payment etc (SM) 05.08.2024_MWR_IH - Drain RHS front (POS 2)tyre, pop bead, remove circlip, remove o-ring and inspect, pop retaining ring, remove with lever bars . Remove tyre carcass from rim & inspect inside tyre. Found foreign debris/timber and a puncture point Tyre to go to Bridgestone Tuesday to be patched and o ring purchased (SM) 05.08.20254_MWR_SC - Assist in removal and diagnosis of slow tyre leak. (SM)	0	0	GRV		600	2356.39	0
13446	MS44	CATERPILLAR 140M MOTOGRADER	8/5/2024	Damage	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	4	Cameby		480	118.18	0
13384	MS44	CATERPILLAR 140M MOTOGRADER	7/2/2024	GET	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	3	Cameby		360	479	0
13367	MS44	CATERPILLAR 140M MOTOGRADER	8/4/2024	Repairs	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	1	Cameby		120	0	0
13366	MS44	CATERPILLAR 140M MOTOGRADER	7/1/2024	Repairs	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	0.5	Cameby		60	0	0
13361	MS44	CATERPILLAR 140M MOTOGRADER	6/25/2024	Repairs	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	0	Cameby		0	636.7	0
13356	MS44	CATERPILLAR 140M MOTOGRADER	6/30/2024	Compliance	Replace blade GET, load on float. 03.07.2024_MWR_SC - Drive down road, load onto float, tape up exhaust. (SM) 03.07.2024_MWR_IH - Replace Blade cutting edged and bolts (SM) Toolbox rusted out. (noted at 7250hr service) 05.08.2024_MWR_SC - Cut off and clean up toolbox mounts, no need to replace. (SM) Drive Tyres getting low on tread & one split. (noted at 7250hr service). 02.07.2024_MWR_SC - inspected split, ok from impact with GET, just a scrape. Tyres are ok for wear. (SM) Blown Hyd Hose. 03.06.2024_Site notified of a blown hyd hose over the weekend. Repaired by Pirtek (SM) Fire Suppression Level 2 Inspection/Service due. 28.06.2024_FIS scheduled for Monday 01/07 (SM) 26.06.2024_Contacted FSI to get a quote for service (SM)	0	0	Cameby		0	2667.55	0
13355	MS44	CATERPILLAR 140M MOTOGRADER	7/1/2024	Repairs	Replace Hyd hoses as required. (noted by Sean). 02.07.2024_MWR_SC_IH - Bleed brakes, replace o-rings in hosing, function test, top up hydraulic oil. (SM) 30.06.2024_MWR_BD - Refit all the guards replaced 2 out of the 4-brake lines finished the hose audit (SM) 27.06.2024_MWR_BD - Continue hose register replaced hoses that were damaged (BB) 26.06.2024_MWR_BD - Refit hoses from MHF start hose sleaving. (SM) 25.06.2024_MWR_BD - Start to pull damage hoses off and take up to MHF (SM)	0	27	Cameby		3240	2425.16	0

				Coolant Leaks. 04.08.2024_MWR_IH - Had a woman's look and found more Cat ELC in container I had previously missed. Top up coolant level with 15L coolant we had in stock. Ok to now close work order no longer waiting on order to fill machine (SM) 01.08.2024_MWR_IH - Found new coolant hose split, machine in front of workshop. Unsure of cause eg: if hose was contact while pressure washing or cut from the inside by spout while fitting etc . Drain coolant, remove pipe and remove and replace split section of hose . Filter drained coolant and refill. Require Cat ELC order to arrive to be able to fill to correct level. Move machine away from workshop (SM) 23.07.2024_MWR_BD_IH - replaced coolant hoses as required wash out engine bay (SM) 25.06.2024_Hastings order 5019766904 placed (SM) 25.06.2024_MWR_SC - Inspect & identify parts needed (SM)	0	13.5	Cameby		1620	1129.6	0
13354	MS44	CATERPILLAR 140M MOTOGRADER	8/3/2024 Repairs	Engine Oil Filter Housing Leak. 22.07.2024_MWR_IH_SC - Bring machine into workshop. Remove covers/shrouds, Clean tubs to capture coolant, drain coolant. Remove oil filter, remove ancillary brackets/hoses etc. Remove oil filter housing, prep for new gasket, fit gasket, re fit housing (SM) 25.06.2024_Hastings order 5019766904 placed (SM) 25.06.2024_MWR_SC - Inspect & identify parts needed (SM)	0	2	Cameby		240	28.44	0
13353	MS44	CATERPILLAR 140M MOTOGRADER	7/21/2024 Repairs	POS 2 Tyre has a slow leak. 02.07.2024_MWR_SC - cleaned up bead mounting on tyre, reinflated, test for leaks, ok. (SM) 01.07.2024_MWR_BD - Pull tyre off went to tyre places no one could do it came back to yard fitted tyre back to grader. Sean to look at when he's back (SM) 27.06.2024_Tyrepower was a no show (SM) 26.06.2024_Tyrepower booked for tomorrow, 27/06 (SM)	0	3	Cameby		360	0	0
13352	MS44	CATERPILLAR 140M MOTOGRADER	7/1/2024 Repairs	Repair Lights not working & damaged wiring. 25.06.2024_MWR_BD - Replaced hi low head light bulb replaced 4x bulbs for work lights. Replaced cab parker light. Repaired broken wires for circle sensor. (SM) 25.06.2024_Sean noted, LH headlight, work lights- gooseneck, roof lights, side marker lights, circle sensor and wiring. (SM) 09.08.2024_MWR_BD_WA - Set up and remove pos 2 wheel. Dismantle L/H steer spindle from front cross member. Remove and replace wheel lean pivot bushes/seals. Reassemble and fit pos 2 wheel. Repair/adjust circle sensor mount (SM) 08.08.2024_MWR_BD_WA - Rotate pos 2 and pos 4 tyres. Finish replacing fuel. Fit fuel tank belly guard. Clean out work shop re-arrange grader in shop for circle repairs. Set up and remove some circle wear strips. Assess wear strips, they are of close to new condition. Refit wear strips and adjust circle movement. Check circle pinion and assemble parts list. Set up and remove pos 2 L/H. Remove steering cylinder and drag link. Attach lift device remove steer spindle. Pivot pins. Heat and remove bushes. Clean all surfaces and attachments. Refit new bushes and seals. Reassemble front LH steer spindle assemble to machine. Refit tyre and grease joints. Bleed brakes. Check and retighten some coolant hose clamps. (SM) 06.08.2024_MWR_BD - Fit spare tyre so machine can be moved while other was been repaired , Replace articulation bushes (SM) 06.08.2024_MWR_IH - Remove Brake bleed nipple covers. Remove bleed nipples, clean threads, Fit bleed nipples as supplied. Replace covers with new bolts. Brakes will need to be bled once perished supply hoses have been changed- Back to back made aware. Assist Brandon with articulation pin/bushes change where possible, operate machine etc (SM) 05.08.2024_MWR_IH - Grind broken bolts flush. Attempt to weld nuts onto broken/seized bolts to remove and heat with oxy - no success. Centre punch and drill all out all broken bolts and run tap through to re thread. Run tap through all other bash plate mounting points to clean up threads. Use machine blade and timber to straighten bent and damaged bash plate. (SM) 04.08.2024_MWR_IH - Check continuity of circle sensor wiring- found no continuity on one wire (wire break). Fault appears to be right at the Amphenol plug, plug is	0	2	Cameby		240	113.35	0
13345	MS44	CATERPILLAR 140M MOTOGRADER	8/8/2024 Repairs	Bring up to Spec for GRV site compliance. 29.06.2024_MWR_BD - Washed out radiator. Continue hose sleaving (SM) 28.06.2024_MWR_BD - Continue hose sleaving (SM) 20.06.2024_Corbets transporting from Cameby to Moranbah Saturday 22/06 (SM) GRV Site Intro when repairs completed Re-shim Circle & replace Blade Slides. 21.05.2024_Repairs completed by ATRAC: All circle underside guides were worn and replaced with new OEM Guides. The top guides were reused, Circle was shimmed to cat spec and functional test carried out ok (SM)	63	63	Workshop Mbh		8100	3078.71	0
13318	MS44	CATERPILLAR 140M MOTOGRADER	6/29/2024 Capital		0	0	GRE		900	0	0
13288	MS44	CATERPILLAR 140M MOTOGRADER	8/28/2024 Compliance		0	0	GRV		420	0	0
13248	MS44	CATERPILLAR 140M MOTOGRADER	6/9/2024 Repairs		8	0	Cameby		0	3534.59	0

13226	MS44	CATERPILLAR 140M MOTOGRADER	6/27/2024 PM	<p>250 HOUR SERVICE (CAT 140M GRADER) Service due at 7250hrs (7286hrs on 24/06) 28.06.2024_MWR_BD - Carry out service topped up coolant. (SM) 25.06.2024_MWR_BD - Carry out checks for service. Replaced missing wheel nut indicators. (SM) 24.06.2024_MWR_SC - Meet with float op, unload off of float, park up in yard. (SM) 05.06.2025 Filters ordered from Hastings to go to Moranbah on #5019223057 (SM) Slow Leak (RHF Tyre)</p>	0	0	Cameby		900	489.3475	0
13173	MS44	CATERPILLAR 140M MOTOGRADER	5/26/2024 Repairs	<p>27.05.2024_Adrian advised the Cameby Tyre fitter has repaired. (SM)</p> <p>Air Hose Leaking (Reported by ATRAC at 7000hr Service) 27.05.2024_Adrian confirmed the Air Line has been fitted (SM) 25.05.2024_ATRAC repairs: ATRAC INV-0351: Supply and fit OEM Air compressor supply hose found U/S A new OEM Air compressor supply hose was supplied and fitted, The engine bay compartment was lifted and refitted to gain access to several clamps which housed the hose, Tested OK 24.05.2024_Adam from ATRAC advised he's ordered a new main Air Line (SM)</p>	0	0	Cameby		0	0	0
13172	MS44	CATERPILLAR 140M MOTOGRADER	6/9/2024 Repairs	<p>RH Headlight is Broken off the Mount & Chock Holder damaged. 20240502_MS44_MRF0062_CD. 05.06.2024_Adrian advised the Chock has been collected (SM) 30.05.2024_Chock holder dispatched on Startrack #L6BZ50037213 (SM) 29.05.2024_Chock holder ordered from FSP, to be delivered to Corbets Yard in Chinchilla (SM) 29.05.2024_Adam from ATRAC advised the headlight has been repaired, need to order a replacement chock holder. (SM) 25.05.2024_Headlight repair completed by ATRAC: Supply and fit OEM Right hand front light assembly damaged A new OEM right hand front light assembly was fitted and tested OK. The stick guard was undamaged and reused. (SM)</p>	3	0	Cameby		0	1359.64	0
13144	MS44	CATERPILLAR 140M MOTOGRADER	6/9/2024 Damage	<p>20.05.2024_ATRAC inspected an will order the parts required for repair. (SM) Blown Hyd Hose. 20240519_MS44_MRF0065_CD 29.05.2024_Adam from ATRAC advised this has been repaired. (SM) 22.05.2024_ATRAC: Supply and fit Blade slide hose damaged. A new OEM hose was supplied and fitted. Removed and fitted (SM)</p>	1	0	Cameby		0	1129.81	0
13135	MS44	CATERPILLAR 140M MOTOGRADER	6/9/2024 Repairs	<p>20.05.2024_Clarky from ATRAC to order & fit new hose (SM)</p>	1.5	0	Cameby		0	705.7	0
13030	MS44	CATERPILLAR 140M MOTOGRADER	6/9/2024 PM	<p>1000HR SERVICE (CAT 140 GRADER) Service due at 7000hrs (7061hrs on 21/04) 20/05/2024_Service completed by ATRAC: Travel to Cameby Downs Coal Mine site and access Grader, Carry Out 1000 hr service in accordance with OEM procedures using OEM engine and transmission oil, and fuel, air, cab and Hydraulic and transmission oil filters. All replaced filters and transmission suction screens were inspected and found to have no to minimal debris. Defects found include 1.Broken bolts found in Transmission guarding, Gaurds removed, all 8mm nuts upgraded to new OEM 10mm nuts and bolts. Some broken bolts remain in the bottom belly guard infront of the Differential housing and required rescheduling. 2.Engine oil filter base leaking, require rescheduling and parts ordering. 3.Weeping Hydraulic suction pipe, clamp repositioned and tightened 4.Right hand front tyre has Slow leak 5.Several bent steering hose ends, need to monitor for leaks or scope to replace 6.Several work lights not working 7.Clean out radiator due to grass build up.</p>	8	0	Cameby		0	4141.58	0
12518	MS44	CATERPILLAR 140M MOTOGRADER	5/12/2024 Repairs	<p>10/05/2024_Adam confirmed he'll service on the 20/05 (SM) 29.04.2024_Arranged for Atrac Heavy Diesel to service on approx 14/05) Replace Seat belt, adjust circle, replace worklight bulb, assess hyd hoses (as reported by Hastings). 19.03.2024_ATRAC_Replace Seat belt, Inspect hoses, repair Blade slide shift hose (SM) 01.03.2024_Seat Belt ordered from Hastings Toowoomba, Adrian to collect and take to site (SM)</p>	1	0	Cameby		0	632.53	0
12512	MS44	CATERPILLAR 140M MOTOGRADER	2/27/2024 Compliance	<p>COMP - Yancoal Cameby Plant & Equipment Annual Site Introduction (Terregen). 28.02.2024_Site intro carried out and passed by Yancoal (SM)</p>	0	0	Cameby		0	0	0
12385	MS44	CATERPILLAR 140M MOTOGRADER	2/20/2024 Compliance	<p>Wheel Rim Crack Test. 21.02.2024_Tyres remounted to the rims by Charlton Tyres and refitted to the grader in the Terregen yard (SM) 20.02.2024_Testing complete & passed & Rims dropped back to Charlton Tyres for reassembly & Refit on 21.02 (SM) 08.02.2024_Wheels removed by Charlton Tyres and stripped for Crack Testing by Kemway. Kemway to collect from Charlton Tyres Friday 09/02 (SM)</p>	104	0	Cameby		0	7440.127	0

12319	MS44	CATERPILLAR 140M MOTOGRADER	1/30/2024	Repairs	Blown Hyd Hose on side shift. MRF1177_MS44_CAM_29.01.2024 02.02.2024_Inv received for remove blown blade slide hose and arrange replacement part (SM) 29.01.2024_Repairs completed by Atrac Heavy Diesel (SM)	8	1	Cameby		0	514.09	0
12284	MS44	CATERPILLAR 140M MOTOGRADER	2/21/2024	PM	250 HOUR SERVICE (CAT 140M GRADER) Service due at 6750hrs (6744hrs on 22/02) 22.02.2024_Service completed by Hastings Deering (SM) 08.02.2024_Hastings are booked to service at the Terregen yard on the 22/02 (SM) Bottom LHS Blade slides missing. MRF1166_MS44_CD_16.11.2023. 23.11.2023_Job is complete, awaiting invoice from ATRAC (SM) 16.11.2023_Contacted Adam from Atrac Heavy Diesel, he will arrange parts & install (SM)	0	0	Cameby		0	1096.35	0
11892	MS44	CATERPILLAR 140M MOTOGRADER	11/22/2023	Repairs	Overheating & AC not efficient, cooling pack blocked with dust/dirt. MRF1154_MS44_CD_14092023. 27.09.2023_Repaired by Jordan from 24/7 Fleet Maint, Clamp tightened on dripping Hyd Hose dropping oil onto the cooler. Cooler packs washed out (SM) 20.09.2023_24/7 Fleet Maint arranged to attend Wed 27/09 (SM) Fire Suppression keeps alarming. Isolating it for the time being. MRF1154_MS44_CD_10.09.2023. 27/09/2023 11:59 PM - Inspected by Jordan from 24/7 Fleet Maint, reset & cleaned connector plugs. Gauge on bottle OK but the Gauge in the Cab shows lower. Not alarming at present (SM)	0	0	Cameby		0	827.85	0
11509	MS44	CATERPILLAR 140M MOTOGRADER	9/26/2023	Repairs	RH Step rubber broken. MRF1153_MS44_CD_05.09.2023. 27.09.2023_Adrian confirmed the part has been fitted (SM) 07.09.2023_Part ordered from Hastings Toowoomba (collect) 5011782715 (SM)	0	0	Cameby		0	130	0
11508	MS44	CATERPILLAR 140M MOTOGRADER	9/26/2023	Repairs	Blown Hyd Hose. 17.09.2023_Adrian Tuzes emailed: Grader did a little Steer hose yesterday. We got it fixed at Pirtek Chinchilla. Their card facilities were down, so they let Steve take it. They are going to contact you this morning for payment. (SM) New Magnets needed for Roof ID Triangle Sign. 24.08.2023_Magnets arrived but not needed, Steve Hocken cleaned the magnets & roof & remounted the sign, been OK since. (SM)	0	0	Cameby		0	130	0
11505	MS44	CATERPILLAR 140M MOTOGRADER	9/26/2023	Damage	08.08.2023_Ordered from AIMS (SM) Clea for T/Port 02.08.2023_MWR_ES - WASHED MACHINE FOR FLOAT MOVE. (SM)	0	0	Cameby		0	174.93	0
11458	MS44	CATERPILLAR 140M MOTOGRADER	9/16/2023	Repairs	1X SCARIFIER SNAPPED & 1X BENT. 02.08.2023_MWR_ES - REPLACED 2X SCARIFIER PLUS SHOES. 2X 2D5572-HD SHOES, 2X 9F-5124-AP SCARIFIERS, 2X 5K1459 T LOCK, 2X 5K1458 RUBBER LOCK. (SM) 22.06.2023_Ordered fro ITR, some parts ex Yatala, some ex Mackay (SM) REAR WORK LIGHTS U/S - H3 24V GLOBES NEEDED. 02.08.2023_MWR_ES - REPLACED 5X GLOBES IN REAR & FRONT WORKLIGHTS, REPLACED LH FRONT HEADLIGHT GLOBE. (SM)	4	0	Cameby		0	0	0
11272	MS44	CATERPILLAR 140M MOTOGRADER	8/23/2023	Repairs	02.08.2023_MWR_ES - REPLACED 5X GLOBES IN REAR & FRONT WORKLIGHTS, REPLACED LH FRONT HEADLIGHT GLOBE. (SM)	0	0	Cameby		0	0	0
11143	MS44	CATERPILLAR 140M MOTOGRADER	8/1/2023	Repairs	02.08.2023_MWR_ES - REPLACED 5X GLOBES IN REAR & FRONT WORKLIGHTS, REPLACED LH FRONT HEADLIGHT GLOBE. (SM)	0	1	Cameby		120	0	0
11142	MS44	CATERPILLAR 140M MOTOGRADER	8/1/2023	Repairs	02.08.2023_MWR_ES - REPLACED 5X GLOBES IN REAR & FRONT WORKLIGHTS, REPLACED LH FRONT HEADLIGHT GLOBE. (SM)	0	0.5	GRV		60	131.28	0
11141	MS44	CATERPILLAR 140M MOTOGRADER	8/1/2023	Repairs	02.08.2023_MWR_ES - REPLACED 5X GLOBES IN REAR & FRONT WORKLIGHTS, REPLACED LH FRONT HEADLIGHT GLOBE. (SM)	0	0.5	GRV		60	44.41	0
11130	MS44	CATERPILLAR 140M MOTOGRADER	9/26/2023	Repairs	Belt Squeal Noise on start up. 27.09.2023_Repairs completed by Jordan from 24/7 (SM) 20.09.2023_24/7 Fleet Maint arranged to attend Wed 27/09 (SM) 10.08.2023_All parts collected by Kris and put in C17 to be taken to site 14/08 (SM) 08.08.2023_Ordered Belt, tensioner & pulley from Hastings Toowoomba (SM) 01.08.2023_MWR_ES - INSPECTED BELT NOSIE AT START UP, REMOVED ENGINE COVER & BELT. FOUND TENSIONER & ALTERNATOR BEARINGS NOISY & TENSIONER WEAK CAUSING A LOOSE BELT. NEW TENSIONER(190-0649), BELT(348-7886) & ALTERNATOR(249-0313) & ALT PULLEY(129-5096) NEEDED. Replace Cutting Edges. 01.08.2023_MWR_ES - REPLACED CUTTING EDGES & BOLTS (SM) 28.07.2023_Wayne noted on 6500hr service sheet. (SM)	5	1	Cameby		120	4072.9	0
11129	MS44	CATERPILLAR 140M MOTOGRADER	7/31/2023	GET	Adjust Draw Bar Ball Shims. 01.08.2023_MWR_ES -REMOVED TWO SHIMS FROM DRAW BAR SOCKET & CHECKED BALL BOLT TENSIONS, TENSIONED HOLD DOWN BOLTS TO 950NM. (SM) 28.07.2023_Wayne noted on 6500hr service sheet. (SM) Install Cameby Radio. 01/08/2023_MWR_ES - REMVOED GRV RADIO, INSTALLED CAMEBY R31 RADIO @Nikki. FORM ATTACHED. (SM) Install "Terregen" Logos for Cameby. 01.08.2023_Steve Hocken has collected & taken to site (SM) 27.07.2023_Logos now getting fitted onsite, ordered from Signarama (SM) 21.07.2023_"Terregen" Logo stickers ordered from Create a Sign (SM)	1.5	1.5	GRV		180	479	0
11128	MS44	CATERPILLAR 140M MOTOGRADER	7/31/2023	GET	Adjust Draw Bar Ball Shims. 01.08.2023_MWR_ES -REMOVED TWO SHIMS FROM DRAW BAR SOCKET & CHECKED BALL BOLT TENSIONS, TENSIONED HOLD DOWN BOLTS TO 950NM. (SM) 28.07.2023_Wayne noted on 6500hr service sheet. (SM) Install Cameby Radio. 01/08/2023_MWR_ES - REMVOED GRV RADIO, INSTALLED CAMEBY R31 RADIO @Nikki. FORM ATTACHED. (SM) Install "Terregen" Logos for Cameby. 01.08.2023_Steve Hocken has collected & taken to site (SM) 27.07.2023_Logos now getting fitted onsite, ordered from Signarama (SM) 21.07.2023_"Terregen" Logo stickers ordered from Create a Sign (SM)	1.5	1.5	GRV		180	0	0
11127	MS44	CATERPILLAR 140M MOTOGRADER	7/31/2023	Site Comp	Adjust Draw Bar Ball Shims. 01.08.2023_MWR_ES -REMOVED TWO SHIMS FROM DRAW BAR SOCKET & CHECKED BALL BOLT TENSIONS, TENSIONED HOLD DOWN BOLTS TO 950NM. (SM) 28.07.2023_Wayne noted on 6500hr service sheet. (SM) Install Cameby Radio. 01/08/2023_MWR_ES - REMVOED GRV RADIO, INSTALLED CAMEBY R31 RADIO @Nikki. FORM ATTACHED. (SM) Install "Terregen" Logos for Cameby. 01.08.2023_Steve Hocken has collected & taken to site (SM) 27.07.2023_Logos now getting fitted onsite, ordered from Signarama (SM) 21.07.2023_"Terregen" Logo stickers ordered from Create a Sign (SM)	0	0.5	Cameby		60	0	0
11124	MS44	CATERPILLAR 140M MOTOGRADER	8/1/2023	Corrective	Adjust Draw Bar Ball Shims. 01.08.2023_MWR_ES -REMOVED TWO SHIMS FROM DRAW BAR SOCKET & CHECKED BALL BOLT TENSIONS, TENSIONED HOLD DOWN BOLTS TO 950NM. (SM) 28.07.2023_Wayne noted on 6500hr service sheet. (SM) Install Cameby Radio. 01/08/2023_MWR_ES - REMVOED GRV RADIO, INSTALLED CAMEBY R31 RADIO @Nikki. FORM ATTACHED. (SM) Install "Terregen" Logos for Cameby. 01.08.2023_Steve Hocken has collected & taken to site (SM) 27.07.2023_Logos now getting fitted onsite, ordered from Signarama (SM) 21.07.2023_"Terregen" Logo stickers ordered from Create a Sign (SM)	0	0	Cameby		0	64.5	0

				Service due at 6500hrs (6412hrs on 17/07)									
				28.07.2023_MWR_WS - Carry out 500hr service. Replace front wheel spindle oil. (SM)									
				27.07.2023_MWR_WA - Start 500hr service. (SM)									
11099	MS44	CATERPILLAR 140M MOTOGRADER	7/27/2023	Service	24.07.2023_PM Kit & 2 air filters arrived, still waiting on 1 (SM)	5	5	GRV			600	1264.944986	0
				17.07.2023_PM Kit & Air Filters ordered from Hastings on 5010498424 (SM)									
				RH TAIL/BRAKE LIGHT U/S – FLICKERING AND STARTS WORKING WHEN YOU SMACK IT, NEW LIGHT NEEDED, 1X 334-8049.									
				03.08.2023_MWR_ES - REPLACED RH TAIL LIGHT & LOADED ONTO FLOAT FOR CAMEBY (SM)									
				01.08.2023_Ordered from Hastings (SM)									
11048	MS44	CATERPILLAR 140M MOTOGRADER	8/2/2023	Repairs	22.07.2023_MWR_ES - Aftermarket Light won't fit behind the protection cover, will need to order genuine & return the ITR part. (SM)	1	1	GRV			120	248.87	0
				22.06.2023_1X 334-8049 ordered from ITR (SM)									
				COOLANT LINE (COMPRESSOR) #235-2448 FRONT OF ENGINE CRACKED & WORN – TO BE REPLACED.									
				22.07.2023_MWR_ES - REPLACED FRONT COOLANT HOSE (SM)									
11047	MS44	CATERPILLAR 140M MOTOGRADER	7/21/2023	Repairs	28.06.2023_Part in stock (SM)	2	2	GRV			240	0	0
				22.06.2023_Ordered from Hastings on 5010369683 (SM)									
				GRV Annual Site Intro.									
				06.07.2023_MWR_SC - Complete site intro, scan and submit to site. (SM)									
10951	MS44	CATERPILLAR 140M MOTOGRADER	7/5/2023	Compliance	05.07.2023_MWR_SC - Perform GRV brake test for annual. (SM)	2	2	GRV			240	0	0
				MNM Annual Site Intro.									
10950	MS44	CATERPILLAR 140M MOTOGRADER	7/4/2023	Compliance	05.07.2023_MWR_SC - Perform MNM brake test for annual. (SM)	0.5	0.5	MNM			60	0	0
				5 Year Fire Suppression Service.									
				21.07.2023_FSI completed 5Y service on Fire Suppression & replaced fire Extinguishers. FRONT 9KG – E271, REAR 9KG – E272 (SM)									
10949	MS44	CATERPILLAR 140M MOTOGRADER	7/20/2023	Corrective	06.07.2023_PO raised for 5Y service (SM)	8	0	GRV			0	4376.009	0
				21.06.2023_FSI quote attached from Audit on the 21/06 (SM)									
				Circle is tight to turn.									
				MRF2435_MS44_GRV_26.06.2023.									
10894	MS44	CATERPILLAR 140M MOTOGRADER	6/25/2023	Repairs	26.06.2023_MWR_ES-SP - READJUSTED TOP CIRCLE SHIMS AS CIRCLE HAD TIGHEN UP. (SM)	1	1	GRV			120	0	0
				Circle has excessive wear & requires Adjustment/shimming.									
				20230606_MRF7715_MS44_GRV.									
				21.06.2023_MWR_ES-SP - REPLACED BLADE SLIDES & CIRCLE WEAR PADS AND ADJUSTED. 6 X 330960 and 6 X 3026338 (SM)									
10868	MS44	CATERPILLAR 140M MOTOGRADER	6/20/2023	Repairs	07.06.2023_Seal requested 1 X 3026338 wear strip, ordered from ITR, Followmont Tracking P001948575 (SM)	2	2	GRV			240	440.22	0
				Service due at 6250hrs (6231hrs on 21/06)									
				21.06.2023_MWR_ES/SP - ADDED COOLANT EXTENDER 1195152. (SM)									
				21.06.2023_MWR_ES/SP - CARRIED OUT SERVICE AS PER SHEET – OIL LEAKING OUT OF TRANSMISSION BREATHER AT FILL POINT – FOUND COOLERS COMPLETELY BLOCKED, CLEANED COOLERS & TOPPED UP OIL. TO BE MONITORED. WIPER WASHER BOTTLE FILL HOSE FITTING BROKEN OFF, PICKED UP PART FROM MHF, INSTALLED NEW FITTING, FOUND WIPER HOSES BLOCKED – UNBLOCKED. WORKING. (SM)									
				15.06.2023_Parts in stock (SM)									
10867	MS44	CATERPILLAR 140M MOTOGRADER	6/20/2023	Service	13.06.2023_Filters ordered on MEX 008326, Hastings Doc 5010322681 (SM)	8	14	GRV			1680	443.833912	0
				06.06.2023_Ordered Conditioner #624-3380 from Hastings on 5010282850 (SM)									
				Fire Suppression Audit to quote on upcoming 5 year inspection.									
				21.06.2023_Audit completed by FSI to quote (SM)									
10859	MS44	CATERPILLAR 140M MOTOGRADER	6/20/2023	Corrective	21.06.2023_FSI booked to visit at 1pm today (SM)	0	0	GRV			0	0	0
				Roof call triangle loose.									
				17.06.2023_MWR_WA - Check roof triangle found mounting magnets have broken. Utilise ratchet strap to secure triangle. Because issue was on site and at height had to use short term quick fix. Roof triangle will need to be remounted correctly at next service at w/shop. (SM)	2	2	GRV			240	77.1	0	
10847	MS44	CATERPILLAR 140M MOTOGRADER	6/16/2023	Repairs	Engine Oil Low.								
10811	MS44	CATERPILLAR 140M MOTOGRADER	6/10/2023	Repairs	11.06.2023_MWR_SP - TOPPED UP ENGINE OIL. (SM)	0.5	0.5	GRV			60	28.437981	0
				Low drive tyre pressures.									
10791	MS44	CATERPILLAR 140M MOTOGRADER	6/4/2023	Repairs	05.06.2023_MWR_WA - Check and adjust drive tyre pressures. (SM)	1.5	1.5	GRV			180	0	0
				Outer E/Stop & Park Lights not working.									
10643	MS44	CATERPILLAR 140M MOTOGRADER	5/13/2023	Repairs	14.05.2023_MWR_SP - Replaced out side e-stop. Replaced bulb in high light. Rear tail light was working so problem fixed itself. (SM)	1.5	1.5	GRV			180	90.86	0

				Service due at 6000hrs (5974hrs on 10/05)								
				14.05.2023_MWR_SP - Complete service as per service sheet. Removed belly guards and cleaned out under machine. Straightened and removed broken bolts from belly guards, Straightened side panels from rock damage, Tightened loose tranny hose clamp. Cleaned out cooler packs. Washed machine and greased. Took LHS wheel spindle oil sample and changed both oils. (SM)								
				11.05.2023_MWR_SP - Conducted service as per service sheet. Didn't change transmission oil, circle drive oil or both front spindle bearing oils as operations needed grader. Defects noted on service sheet and completed tasks initialed on service sheet. Proper inspection needed. Lh spindle was nearly empty so no sample was taken but suggest we take sample on next attempt at service. Transmission breather was u/s so found spare breather in store. Exterior e stop u/s rear rh park light u/s top light lh inner u/s (SM)								
10636	MS44	CATERPILLAR 140M MOTOGRADER	5/13/2023	Service	17.04.2023_Parts in stock. (SM)	11	11	GRV		1320	2616.471743	0
				06.04.2023_PM Kit ordered from Hastings 5009994189. (SM)								
				GRV Brake Test.								
10618	MS44	CATERPILLAR 140M MOTOGRADER	5/9/2023	External	10.052023_MWR_SC - Perform Brake test, complete, scan and submit paperwork. (SM)	0	0.75	GRV		90	0	0
				MNM Brake Test.								
10617	MS44	CATERPILLAR 140M MOTOGRADER	5/9/2023	External	10.052023_MWR_SC - Perform Brake test, complete, scan and submit paperwork. (SM)	0	0.75	MNM		90	0	0
				Circle Ball Cups Worn, noted at service.								
				18.04.2023_MWR_SP - Replaced all cylinder cups and adjusted truino in shims to reduce movement adjusted blade slides as well. Greased machine and inspected. (SM)								
10445	MS44	CATERPILLAR 140M MOTOGRADER	4/17/2023	Repairs	13.04.2023_Parts in stock, received with MS83 cutting edge. (SM)	4	4	GRV		480	174.12	0
				06.04.2023_Ordered from ITR (SM)								
				09.03.2023_Noted at last Service (SM)								
10311	MS44	CATERPILLAR 140M MOTOGRADER	3/25/2023	Repairs	Clean Cab, operator tested positive for Covid.	0.5	0.5	GRV		60	48.29	0
				26.03.2023_MWR_SP - Glen 20 cab and replaced cab filter. Let cab air out. (SM)								
				Severe leak in RH Cab door, day light can be seen in a large gap.								
10201	MS44	CATERPILLAR 140M MOTOGRADER	3/8/2023	Repairs	MRF Request No 2431_MS44_GRV_07.03.2023.	2	2	GRV		240	0	0
				09.03.2023_MWR_SC - Adjusted Doors (SM)								
				(DONE) Fire Suppression Alarm going off intermittently.								
				MRF Request No 2421_MS44_GRV_01.02.2023.								
10151	MS44	CATERPILLAR 140M MOTOGRADER	2/6/2023	Repairs	07.01.2023_FSI Technician attended asset MS44 due to intermittent low-pressure fault. Upon arrival technician conducted fault finding. Cylinder head plug cleaned of contaminants. PME two-pin and four-pin deutsch plugs found under pressure as the cable length was too long. Technician shortened length of cable travelling to two-pin and four-pin deutsch plugs from PME. Wires were no longer under stress. Technician cleaned four-pin deutsch plug located behind cab. Panel was reset and inspected - no faults present. Technician returned system to site operational at the time of repairs. (SM)	3	0	GRV		0	982.2	0
				GRV Brake Test.								
10143	MS44	CATERPILLAR 140M MOTOGRADER	2/27/2023	External	28.02.2023_Carry out GRV Brake Test. (SM)	0	0.75	GRV		90	0	0
				MNM Brake Test.								
10142	MS44	CATERPILLAR 140M MOTOGRADER	2/27/2023	External	28.02.2023_Carry out MNM Brake Test. (SM)	0	0.75	MNM		90	0	0
				Service due at 5750hrs (5786hrs on 09/03)								
				09.03.2023_MWR_SP - Carried out service as per service sheet. Adjustment made to blade slides, replace oil return hose of implement pump hose made by MHF and fitted by Sam. (SM)								
10093	MS44	CATERPILLAR 140M MOTOGRADER	3/8/2023	Service	24.02.2023_Parts in stock. (SM).	4	4	GRV		480	543.255432	0
				22.02.2023_No Oil filter in the supplied PM Kit, ordered on (SM)								
				20.02.2023_PM Kit ordered on 5009733914 (SM)								
10010	MS44	CATERPILLAR 140M MOTOGRADER	2/7/2023	Tyre/Track	Replacement Tyre needed as per WO 9747.	2	2	GRV		240	1280	0
				08.02.2023_MWR_SC - Advised that POS 2 tyre keeps going down. Inspected & found leak around valve stem caused by rust. Rim is not from MS44, was stamped with MS9. Removed rim assembly, found MS44 Rim, fitted new tyre to rim to match Aeolus setup. Fit rim assembly to grader. Tyre off of MS9 rim was an old MS9 spare (goodride brand), will be used again as 95% tread. (SM)								
				26.01.2023_AEOLUS AL36 E3 Tyre in stock (SM)								
				17.01.2023_Ordered from Freedom Tyres on MEX PO 1436 (SM)								
				POS 4 Tyre Damage/Flat.								
				26.01.2023_New AEOLUS AL36 E3 Tyre in stock (SM)								
				21.01.2023_MWR_WA - Dig out usable tyre from old stock. Remove and replace tyre. (SM)								
9916	MS44	CATERPILLAR 140M MOTOGRADER	1/21/2023	Repairs	20.01.2023_Assess damaged pos 4 tyre. (SM)	0	4.5	GRV		540	0	0
				20.01.2023_New Tyre ordered from Freedom on Mex po 1445. (SM)								
				New Cutting Edges needed.								
				2nd MRF: MRF Request No 7367_MS44_GRV_10.12.2022.								
				20.01.2023_MWR_WA - Replace cutting edges (SM)								
				26.11.2022_MWR_WA - Checked cutting edge. Still has some life left. (SM)								
				07.11.2022_Parts in stock. (SM)								
9915	MS44	CATERPILLAR 140M MOTOGRADER	1/19/2023	GET	04.11.2022_Shipping today on Followmont #P001550801. (SM)	2	2	GRV		240	473	0
				02/11/2022_Ordered from ITR (SM)								

				Service due at 5500hrs (5519hrs on 20/01)									
				20.01.2023_MWR_WA - Carry out 500hr service. Repair seat slide. Repair top work lights. (SM)									
9914	MS44	CATERPILLAR 140M MOTOGRADER	1/19/2023	Service	16.01.2023_Parts in stock (SM)	5	5	GRV		600	503.143028	0	
				Steering Arm Bent.									
9854	MS44	CATERPILLAR 140M MOTOGRADER	1/8/2023	Repairs	09.01.2023_MWR_WA - Straighten and refit steering arm. (SM)	6	4	GRV		480	0	0	
				08.01.2023_MWR_WA - Remove bent steering arm. (SM)									
				MNM Brake Test.									
9791	MS44	CATERPILLAR 140M MOTOGRADER	12/16/2022	External	17.12.2022_MWR_SC - Perform MNM brake test, complete, scan, submit paperwork. (SM)	0	0.75	MNM		90	0	0	
				GRV Brake Test.									
9790	MS44	CATERPILLAR 140M MOTOGRADER	12/16/2022	External	17.12.2022_MWR_SC - Perform GRV brake test, complete, scan, submit paperwork. (SM)	0.75	0.75	GRV		90	0	0	
				Flat Tyre:									
9747	MS44	CATERPILLAR 140M MOTOGRADER	12/10/2022	Tyre/Track	11.12.2022_MWR_WA - Float move grader to yard. Dismantle pos 1 tyre found damaged/sliced tyre. Fit spare Grader Tyre and Rim (1x Goodride 17.5r25 cb760 tyre on spare rim). (SM)	5.5	5.5	GRV		660	0	0	
				Fire Suppression Alarming.									
9734	MS44	CATERPILLAR 140M MOTOGRADER	12/6/2022	Repairs	07.12.2022_MWR_WA - Test wiring and pressure switches. After cleaning connections and resetting the control panel alarm had stopped.	2.5	2.5	GRV		300	344.32	0	
				System pressure is just over the scale required pressure but this will not cause fault. Possible fault may still be present in bottle pressure switch. At next fire service should replace bottle pressure switch. (SM)									
9652	MS44	CATERPILLAR 140M MOTOGRADER	11/25/2022	Repairs	Cracks in Engine door.	1	1	GRV		120	0	0	
				26.11.2022_MWR_WA - Repair Engine door cracks. (SM)									
9651	MS44	CATERPILLAR 140M MOTOGRADER	11/25/2022	Repairs	Adjust Blade Slides.	0.5	0.5	GRV		60	0	0	
				26.11.2022_MWR_WA - Adjust blade sides. (SM)									
9650	MS44	CATERPILLAR 140M MOTOGRADER	11/25/2022	Repairs	Steering Pins not taking grease.	0.5	0.5	GRV		60	0	0	
				26.11.2022_MWR_WA - Repair Steering pins not taking grease. (SM)									
				Lift and center shift cylinder cups /inserts are worn out and require replacement.									
				26.11.2022_MWR_WA - Remove and replace centre shift and lift cylinder ball stud inserts. (SM)									
9649	MS44	CATERPILLAR 140M MOTOGRADER	11/25/2022	Repairs	25.11.2022_Parts in stock (SM)	2	2	GRV		240	232.16	0	
				21.11.2022_Ordered 8x from ITR on Mex po 1346 (SM)									
				Replace missing/lost Scarifier Lock pins.									
9609	MS44	CATERPILLAR 140M MOTOGRADER	11/20/2022	Repairs	21.11.2022_MWR_RC - Replace 2x scarifiers 3x locking tabs, 4x G.E.T tips (SM)	0	1.5	GRV		180	187.3	0	
				14.11.2022_4x 5k-1459 lock pins & 4x 5k-1458 grommets ordered from Hastings 5009284644 (SM)									
9600	MS44	CATERPILLAR 140M MOTOGRADER	11/19/2022	Repairs	Clean out Cab.	0.5	0.5	GRV		60	0	0	
				20.11.2022_MWR_RC - Clean out Cab. (SM)									
9599	MS44	CATERPILLAR 140M MOTOGRADER	11/19/2022	GET	2 Worklights on roof not working.	0.5	0.5	GRV		60	7.35	0	
				20.11.2022_MWR_RC - Replace blown light on cab. (SM)									
				Replace Blade & Circle Slides.									
				20.11.2022_MWR_RC - Replace circle shims and adjust circle and blade slides. (SM)									
9598	MS44	CATERPILLAR 140M MOTOGRADER	11/19/2022	Repairs	19.11.2022_Parts in stock. (SM)	4.5	4.5	GRV		540	173.5	0	
				11.11.2022_ordered from ITR (SM)									
				09.11.2022_Wayne noted at 5250hr Service that the Blade & Circle slides need replacing. (SM)									
				AC not working.									
				24.11.2022_MWR_WA - Reassemble cabin accessories and seat. (SM)									
				22.11.2022_MWR_SC - Wahsed out evaporator unit, installed fan and covers, test, working, will need to install seat and vents to complete. (SM)									
				21.11.2022_Ordered from Hastings on 5009319929 (SM)									
				19.11.2022_MWR_SC - Received call from Troy advising that MS44 has no A/C.									
				SC- Drove to GRV, located machine, tested a/c, no blower motor, tested all fuses, ok, removed seat and base, inspected wiring loom, ok, power down to seat base.									
				Possible blower motor- offsite job, requested to get grader into yard. Reinstalled seat and base left site. 2.5H									
9595	MS44	CATERPILLAR 140M MOTOGRADER	11/23/2022	Repairs	RC- Removed seat and base, removed a/c ducting and fan motor, test fan motor- failed, requires new fan motor. 2H	60	11	GRV		1320	885.33	0	
				Service due at 5250hrs (5250hrs on 09/11).									
				12.11.2022_MWR_WA - Replace engine oil filter to complete recent service. (SM)									
9511	MS44	CATERPILLAR 140M MOTOGRADER	11/11/2022	Service	09.11.2022_MWR_WA - Carry out 250hr service.(Note: engine oil filter hadn't arrived so it's to be fitted when received 1r-1807). (SM)	4	4	GRV		480	399.387883	0	
				04.11.2022_Air filters delivered, kit still pending (SM)									
				01.11.2022_Filters ordered for Service on Hastings doc 5009220973 (SM)									
				Setup Scarifiers.									
9492	MS44	CATERPILLAR 140M MOTOGRADER	11/5/2022	Repairs	06.11.2022_MWR_SC - Scarifiers were seized inverted in ripper frame, freed up scarifiers, positioned correctly for use. (SM)	1	1	GRV		120	0	0	
				MNM Brake Test.									
9491	MS44	CATERPILLAR 140M MOTOGRADER	11/5/2022	External	06.11.2022_MWR_SC_-Performed brake test, completed, scanned and submitted paperwork. (SM)	0	1	MNM		120	0	0	
				MNM Brake Test:									
9412	MS44	CATERPILLAR 140M MOTOGRADER	12/19/2022	External	22.10.2022_MWR_SC - Whilst onsite, performed brake test on MS44 due to easy access to machine. Awaiting paperwork from Anglo. (SM)	0	0	MNM		60	0	0	

9335	MS44	CATERPILLAR 140M MOTOGRADER	10/7/2022	Compliance	GRV Site Intro: 08.10.2022_MWR_SC - Performed annual inspection, completed, scanned and submitted paperwork. (SM) Grease Line broken off Articulation mount: MRF REQUEST NO 7292_MS44_GRV MRF_12.08.2022.	1	1.5	GRV		180	0	0
9329	MS44	CATERPILLAR 140M MOTOGRADER	10/6/2022	Repairs	07.10.2022_MWR_RC - Repair broken grease line. (SM) Replace Blade Slides.	0.5	0.5	GRV		60	0	0
9266	MS44	CATERPILLAR 140M MOTOGRADER	10/2/2022	Repairs	03.10.2022_MWR_WA - Replace top & Bottom Blade Slides. (SM) Service due at 5000hrs (4949hrs on 12/09); 18.09.2022_MWR_WA - Complete Service (SM) 17.09.2022_MWR_WA/RC - Continue Service (SM) 16.09.2022_MWR_WA - Start 5000hr service (SM) 07.09.2022_Parts in Stock (SM)	3	3	GRV		360	568.78	0
9169	MS44	CATERPILLAR 140M MOTOGRADER	9/17/2022	Service	31.08.2022_Service Kit ordered on Hastings sales order 5008921482 (SM) Replace tyres. 21.11.2022_MWR_RC - replace 4 tyres pos 3,4,5,6 (SM) 01/11/2022_Last 2 tyres ordered from Freedom (SM) 07.10.2022_MWR_RC - Replace both steer Tyres (SM) 05.10.2022_Another 2 Tyres ordered from Freedom on MEX PO 1251 (SM) 15.09.2022_2x tyres arrived (SM) 16.08.2022_2x tyres ordered from Freedom Tyres (SM) 29.07.2022_Spoke to Craig - he and Shane discussed, leave the newer tyres on MS9 for sale. Sean said there are 2 good runouts in the workshop so he will replace those. We need to order two this month and 2 next month. (KD) 23.07.2022_MWR_WA_Assess damaged tyre and replacement availability. Run out tyre on rim at yard (marked ms9) fitted 24/07/2022 12:00 AM. As per photos drive tyres are at the point of replacing asap- 4x 17.5R25 drive tyres. Possibly switch with MS9? (KD)	10.5	10.5	GRV		1260	2210.6284	0
9165	MS44	CATERPILLAR 140M MOTOGRADER	11/20/2022	Tyre/Track	Engine Overheating: 120.09.2022_MWR_RC - Replace coolant regulators drain and refill coolant. Test in yard to heat up - not faulting at time of testing. (SM) 19.09.2022_Correct thermostats arrived. (SM) 18.09.2022_MWR_WA - Install covers and panels test engine heating. I ordered incorrect thermostats. Need to fit 115-4223 correct thermostats. Engine still running a little on the hot side. We can try 2x 6v4511 radiator cleaner. (SM) 16.09.2022_MWR_WA - Dismantle components to access water pump and thermostat housing. Remove and replace water pump. Incorrect thermostats ordered by me. Reassemble components. Flush radiator. (SM) 14.09.2022_parts ordered on Hastings Order 5008992695 (SM) 14.09.2022_MWR_WA - Top up coolant. Return to site check eng overheating. Remove cooling fan wash out radiator and coolers. Parts research. Need to replace engine thermostats and water pump. Flush radiator and replace coolant (SM)	6	7.5	GRV		900	7680	0
9163	MS44	CATERPILLAR 140M MOTOGRADER	9/19/2022	Repairs	Slop in Articulation. MRF REQUEST NO 6458_MS44_GRV_13.09.2022. 07.10.2022_MWR_RC - Finish artic pins and bushing repairs. (SM) 06.10.2022_MWR_RC - Replace RHS articulation pins, bushings and seals for front frame. (SM) 14.09.2022_Parts ordered on Hastings SO #5008989391 (SM) 13.09.2022_MWR_SC - Reports of excess articulation movement in grader, located machine onsite, operated, inspected found that pins and bushes need replacing in articulation cylinders. Inspected other components, ok. (SM) Deliver to site: 17.07.2022_MWR_WA - Deliver MS44 to site (SM) Roof Triangle mount needs repair. 13.08.2022_MWR_RC - Repair roof triangle mounting, test, ok. (SM) 3x Worklights in/op: 13.08.2022_MWR_RC - Replace 3 X blown worklight bulbs (SM) GRV Brake Test: 13.08.2022_MWR_SC - Perform GRV brake test. (SM)	14.5	18.5	GRV		2220	1447.606	0
9162	MS44	CATERPILLAR 140M MOTOGRADER	10/6/2022	Repairs		4	4	GRV		480	553.28	0
8974	MS44	CATERPILLAR 140M MOTOGRADER	8/16/2022	General		0	0	GRV		180	0	0
8961	MS44	CATERPILLAR 140M MOTOGRADER	8/12/2022	Repairs		0	2	GRV		240	0	0
8960	MS44	CATERPILLAR 140M MOTOGRADER	8/12/2022	Repairs		0	1	GRV		120	31.5	0
8959	MS44	CATERPILLAR 140M MOTOGRADER	8/12/2022	External		0	0.5	GRV		60	0	0
8958	MS44	CATERPILLAR 140M MOTOGRADER	8/12/2022	Corrective	MNM Fire suppression inspection. 13.08.2022_MWR_SC - Perform MNM Fire suppression inspection and report. (SM)	0	1	MNM		120	0	0
8957	MS44	CATERPILLAR 140M MOTOGRADER	8/12/2022	Compliance	MNM Site introduction: 13.08.2022_MWR_SC - Perform MNM site intro, complete hose audit, brake test, complete, scan and submit paperwork (SM) 26/07/2022 12:00 AM - no work order yet. "We are going to be reintroducing MS44 to MNM again as MS9 was the backup but it is now coming offsite to be sold I believe. Let me know if you need anything for the intro, there has been an RA done, I have written the RA number on the update. (the fire suppression unit is due for changeout/refub in September so I am half expecting they will reject it because of that so I will speak to Shane about maybe not completing the inspection until that is done. Will come back to you on that one."(KD) Adjust Blade Slides: 30.07.2022_MWR_SC/RC - Adjust blade circle slide top shims adjust blade moleboard slides. check for movement in steering (SM)	0	3	MNM		360	0	0
8857	MS44	CATERPILLAR 140M MOTOGRADER	7/29/2022	Repairs		1	1	GRV		120	0	0

8856	MS44	CATERPILLAR 140M MOTOGRADER	7/29/2022	Tyre/Track	Change over Tyres: 30.07.2022_MWR_SC/RC - Remove tyre from spare rim, clean up spare rim, collect ms44 from site and transport to w/shop, remove tyre from pos 3 remove rim, fit spare rim to pos 3 and refit same tyre, remove old tyre from pos 4 clean up rim and fit better second hand tyre to rim on pos4. All tyres used were from old stock. (SM)	5.5	7	GRV		840	0	0
8820	MS44	CATERPILLAR 140M MOTOGRADER	7/23/2022	Tyre/Track	POS 4 Tyre has cracked sidewall: 24.07.2022_MWR_WA_Remove and replace rim and flat tyre with ms9-5 spare rim/tyre. (KD) 23.07.2022_MWR_WA_Assess damaged tyre and replacement availability. We have a run out tyre on rim at yard (marked ms9) to be fitted 24/7/22. As per photos drive tyres are at the point of replacing asap- 4x 17.5R25 drive tyres 04.07.2022_MWR_RC - Pos 4 tyre has cracking on sidewall and was 10psi less than the rest sprayed soapy water all over to test for the leaks but none found. Will need to be monitored. (SM)	2.5	2.5	GRV		300	0	0
8803	MS44	CATERPILLAR 140M MOTOGRADER	7/15/2022	External	GRV Brake Test: 16.07.2022_Perform brake test, complete, scan and submit paperwork.. (KD)	0	0	GRV		120	0	0
8795	MS44	CATERPILLAR 140M MOTOGRADER	7/16/2022	External	16.07.2022_MWR_SCR_Perform brake test, complete, scan and submit paperwork. (KD)	0	0	GRV		120	0	0
8790	MS44	CATERPILLAR 140M MOTOGRADER	7/18/2022		16.07.2022_MWR_RC_final inspection and transport back to site.	0	0	GRV		120	0	0
8742	MS44	CATERPILLAR 140M MOTOGRADER	7/14/2022	Repairs	Not running correctly, Fuel System fault. 15.07.2022_MWR_RC_Change out faulty HEUI oil pump and fitting, ran grader and tested for performance and leaks, tested OK.(KD) 12.07.2022 - Hastings confirmed Waynes diagnosis, parts ordered on Hastings Doc #5008676257 (SM) 12.07.2022_MWR_WA - Assist Hastings in fault Diagnosis (SM) 12.07.2022 - Wayne suspects pump has failed. Hastings have a Tech in the area whoa can inspect today to confirm diagnosis who will be onsite approx 1:30pm (SM) 11.07.2022 - Wayne phone saying the HEUI Pump oil line was leaking, part ordered from Hastings on #5008669556 (SM) 11.07.2022_MWR_WA - Load machine to float on site. Return to yard unload and further diagnose fault. (SM) 10.07.2022_MWR_WA - Inspect engine appears to be starving for fuel. Replace fuel filters. Connect ET assess fuel delivery control. Found injection actuation pressure and desired actuation pressure to be highly different. Fuel delivery pressure is at correct value. Replace engine oil to see if oil consistency would rectify. No change evident. Further initial testing leads to a faulty unit injection pump. (SM) Service due at 4750hrs (4726hrs on 01/07), 04.07.2022_MWR_RC - Complete service as per service sheet and adjusted cab door handles to stop them rattling (SM) 20.06.2022 - parts in stock (SM) 18.06.2022 - Partially received Kit, no Air Filters. (SM)	0	0	GRV		1500	2356.96	0
8716	MS44	CATERPILLAR 140M MOTOGRADER	7/3/2022	Service	17.06.2022 - Filters ordered from Hastings on #5008554305 (SM) Fire Suppression Audit.	4	4	GRV		480	376.28625	0
8665	MS44	CATERPILLAR 140M MOTOGRADER	6/26/2022	Corrective	27.06.2022_MWR_WA - Compile fire suppression paperwork (SM)	0	1.5	MNM		180	0	0
8616	MS44	CATERPILLAR 140M MOTOGRADER	6/22/2022	Repairs	Todd rang and advised about issues with MS44 fire suppression, 23.06.2022 - CHUBB - Replaced Pressure Monitoring Box with new one. (SM) 21.06.2022 - Chubb booked to send Jeremy Garrett, Anglo ID #06174745, Thursday 23/06 pm (SM) 20.06.2022 - Contacted Chubb to attend asap (SM) 19.06.2022_MWR_SC - Inspected fire suppression, gauges in green, wiring ok, could not diagnose any further, will require CHUBB inspection. (SM) Faulty UHF Mic; 20.06.2022_MWR_RC - Replace faulty handpick (SM) 19.06.2022_MWR_SC - Todd rang and advised about issues with MS44 fire suppression and UHF transmission sounding scratchy. Drove to GRV, inspected UHF, microphone hand piece is requiring replacement, supplied temporary replacement until new item can be purchased. (SM) Bottom Blade slides worn;	0	0.5	GRV		60	520	0
8594	MS44	CATERPILLAR 140M MOTOGRADER	6/19/2022	Repairs	13.06.2022_MWR_WA - Check and adjust blade slides. (SM)	0.5	1			120	0	0
8567	MS44	CATERPILLAR 140M MOTOGRADER	6/12/2022	Repairs	Replace Fan Belt next service: 14.05.2022_MWR_WA - Replace fan belt (SM) 10.05.2022 - Part in stock. (SM) 05.05.2022 - ordered belt with the PM kit on 5008350607 (SM) 01.05.2022 - Wayne noted " This machine will need a new fan belt at next service pt #348-7886" (SM)	0.5	0.5	GRV		60	0	0
8435	MS44	CATERPILLAR 140M MOTOGRADER	5/13/2022	Repairs	Service due at 4500hrs (4471hrs on 14/05); 14.05.2022_SOS results attached. A. 14.05.2022_MWR_WA - Complete 500hr service. (SM) 13.05.2022_MWR_WA - Start 500hr service (SM) 10.05.2022 - Parts in stock. (SM) 05.05.2022 - Hastings advised filter #338-3540 is on backorder, eta 31/05, I asked for the rest of the kit to be shipped now (SM)	2	2	GRV		240	115.13	0
8434	MS44	CATERPILLAR 140M MOTOGRADER	5/13/2022	Service	05.05.2022 - PM Kit ordered on 5008350607 (SM)	7	7	GRV		840	1230.976442	0

8375	MS44	CATERPILLAR 140M MOTOGRADER	4/30/2022	Repairs	Hyd Leak; 01.05.2022_MWR_WA - Remove engine cooling fan motor hydraulic hoses. Have hoses 24 make new hoses. Refit hyd hoses and reassemble covers and guards clamps and retaining parts. (SM)	4	4	GRV		480	1076.35004	0
8367	MS44	CATERPILLAR 140M MOTOGRADER	4/30/2022	Repairs	AC not working; 27.04.2022_MWR_WA - Travel to site, Test A/C found low on Gas. Remove covers and perform leak tests. Unable to identify any leaks. Recharge system (800gr 134A refrigerant) and test operation. Retest for system leaks. Refit covers. If leak remains will need to bring to workshop and carry out further testing with nitrogen.(SM)	6.5	6.5	GRV		780	524.138	0
8353	MS44	CATERPILLAR 140M MOTOGRADER	4/24/2022	External	MNM Brake Test due; 25.04.2022_MWR_SC - Perform MNM brake test, scan and submit paperwork. (SM)	0	0.5	MNM		60	0	0
8352	MS44	CATERPILLAR 140M MOTOGRADER	4/24/2022	External	GRV Brake Test due; 25.04.2022_MWR_SC - Perform GRV brake test, scan and submit paperwork. (SM)	0	0.5	GRV		60	0	0
8283	MS44	CATERPILLAR 140M MOTOGRADER	4/8/2022	Service	Service due at 4250hrs (4254hrs on 07/04); 09.04.2022_MWR_RC - 250 hrs service and checks completed. (SM) 01.04.2022 - Ordered from Hastings on 5008202997, tracking #HDFM09740580 (SM) Blade Cutting edges need replacement; 09.04.2022_MWR_RC - Replace blade cutting edges and bolts (SM) 05.04.2022 - Parts in stock (SM) 22.03.2022 - Ordered from ITR (SM)	3.5	3.5	GRV		420	432.24	0
8282	MS44	CATERPILLAR 140M MOTOGRADER	4/11/2022	GET	Install GRV Radio; 28.03.2022_MWR_SC - Picked up radios from RCS..... Drove to GRV, located machine, installed radio (s/n 511TWK1089), test, ok. (SM)	3	3	GRV		360	393	0
8224	MS44	CATERPILLAR 140M MOTOGRADER	3/29/2022	Corrective	Need to Order 5x Scarifiers & Teeth: 26.02.2022_MWR_RC - Scarifiers were seized in frame, gernied and knocked out rust/mud and freed them up, scarifiers are useable, will keep ones in store as spares. (SM) 06.02.2022 - Wayne confirmed parts received. (SM)	0.5	1	GRV		120	1385	0
8078	MS44	CATERPILLAR 140M MOTOGRADER	2/25/2022	Repairs	19.01.2022 - Ordered from ITR (SM)	2	2	GRV		240	0	0
8077	MS44	CATERPILLAR 140M MOTOGRADER	2/25/2022	Service	Service due at 4000hrs (4025hrs on 26/02): 26.02.2022_MWR_SC/RC - Completed service as per schedule, refitted all guarding, test drove, ok. Replaced reverse light bulbs. Tyres are getting low in tread. (SM) 25.02.2022_MWR_SC/RC - Began Major service, removed all guarding from machine, cleaned underneath and coolers. Sampled and Replaced required oils, filters, will complete tomorrow with parts and oil quantities used. (SM) 23.02.2022 - Sean confirmed Service Kit in stock. (SM) 21.02.2022 - Air Filters arrived, still waiting on the rest of the Kit(SM) 17.02.2022 - Kit ordered from Hastings on 5007989840 (SM)	12	14	GRV		1680	2093.960549	0
8059	MS44	CATERPILLAR 140M MOTOGRADER	2/11/2022	External	MNM Brake Test due; 12.02.2022_MWR_SC - Perform Brake Test, complete paperwork, scan and submit. (SM)	0	0.5	MNM		60	0	0
8000	MS44	CATERPILLAR 140M MOTOGRADER	2/11/2022	External	GRV Brake Test: 12.02.2022_MWR_SC - Perform GRV Brake Test, complete paperwork, scan and submit. (SM)	0.5	1	GRV		75	0	0
7933	MS44	CATERPILLAR 140M MOTOGRADER	1/28/2022	External	GRV Brake Test: 29.01.2022_MWR_SC - Performed brake test, completed paperwork, scanned and submitted. (SM)	0	1	GRV		75	0	0
7932	MS44	CATERPILLAR 140M MOTOGRADER	2/25/2022	Repairs	Fire System Alarm going off intermittently (gauges show in green): 23.06.2022 - CHUBB - Refer WO: 8616, Replaced Pressure Monitoring Box with new one. (SM) 21.06.2022 - Chubb booked to send Jeremy Garrett, Anglo ID #06174745, Thursday 23/06 pm (SM) 26.02.2022_MWR_RC - Fire suppression system performing ok, No time. (SM) 10.02.2022 - CHUBB - Inspected all wiring & connectors, could not get system to fault. Junction Box at discharge switch had screw heads stripped so had to drill out. Had to drill out, did not have one to replace so will have to order one. Sent back to work and will need the operator to monitor & record which faults appear. (SM) 09.02.2022 - Emailed Chubb again to action. (SM) 29.01.2022_MWR_SC - Inspected fire suppression, no leaks, gauges in green, could not diagnose, still alarming, showed operator how to override alarm noise. Chubb Required. (SM)	0	0.25	GRV		18.75	0	0
7931	MS44	CATERPILLAR 140M MOTOGRADER	1/28/2022	Repairs	28.01.2022 - Contacted Chubb to repair (SM) LH Door Lock broken, unable to open the door from inside the cab: 29.01.2022_MWR_SC - Inspected door handle, function tested, ok, spoke to operator, advised that it has already been repaired. (SM)	0	0.25	GRV		18.75	0	0
7902	MS44	CATERPILLAR 140M MOTOGRADER	11/17/2021	Compliance	(Done) MSM Site Into: 18.11.2021 - Signed docs attached. (SM) 17.11.2021 - Kate emailed docs to Wayne Ritchie (SM) 15.11.2021 - Nikki is arranging inspection with Pete Good on 17th. (KD) Starter Isolator Switch Broken, need someone to hold the switch while you turn the key.	0	0.1	MSM		0	0	0
7852	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	Repairs	MS44_MWR_15.01.2022 - Replaced starter motor isolator and switch. (SM)	0	1.5	GRV		127.5	89.75	0

7851	MS44	CATERPILLAR 140M MOTOGRADER	2/25/2022	Repairs	Blade Slide needs replacing: 26.02.2022_MWR_SC/RC - Inspected blade slides, condition ok, adjusted, tested movement, ok. (SM) 19.01.2022 - Ordered from ITR (SM) 15.01.2022_MWR_SC/RC - Adjusted Blade Slides, not worn out yet. Need to order an upset of blade slides for this unit. (SM)	1.5	2	MSM		205	0	0
7849	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	GET	Missing Tongue on Scarifier: 15.01.2022_MWR_SC/RC - Replaced scarifier tongues X2 and straight scarifier. (could we please order 5 new scarifiers and teeth for this grader) 1 Hr (SM) 02.12.2021 - Sean - hold the scarifier replace. Coming in today for brake test so Sean will check then. (KD)	0	1	MSM		80	33.26	0
7848	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	Repairs	Blade Sideshift Cylinder weeping: 15.01.2022_MWR_SC/RC - Could not see weep in blade side shift cylinder. (SM) 27.10.2021 - emailed asking Ash & Tim to monitor the leak reported by Hastings at Service (SM) Oscillation joints leaking. 15.01.2022_MWR_SC/RC - Inspected oscillation joint, not worth repairing at this stage. (SM) 27.10.2021 - emailed asking Ash & Tim to monitor the leak reported by Hastings at Service (SM)	0	0.25	Cameby		18.75	0	0
7847	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	Repairs	Service Due at 3750hrs (3753hrs on 12/01): 15.01.2022_MWR_SC/RC - Service as per Schedule (SM) 13.01.2022 - Scheduled for Saturday 15/01 (SM) 10.01.2022 - Wayne received Service Kit (SM)	0	0.25	Cameby		18.75	0	0
7846	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	Service	06.01.2021 - Service Kit ordered #5007800301, tracking HDFM06296742. (SM)	0	3	GRV		240	378.30562	0
7845	MS44	CATERPILLAR 140M MOTOGRADER	1/14/2022	Repairs	Faulty Speedo: 15.01.2022_MWR_SC/RC - Test drove, speedo working as per standard. 0.5 Hrs (SM) Won't Start: 23.11.2021_MWR_SC - Drive to Quarrico, meet up with grader, replace component, test, ok. Drive back to W/S (SM) 23.11.2021 - SC confirmed CAT parts in stock. (SM) 19.11.2021 - Sean requested #241-8368 Relay ordered from Hastings on doc# 5007618725 (SM) 19.11.2021_MWR_SC - Received call that MS44 has shutdown and willnot restart, escorted onto MSM for a look, diagnosed, main relay has failed shorting out circuit breakers, unplugged main relay, enabled grader to limp to Quarrico to be worked on. Removed main relay, drove to Xceed for temporary replacement while proper parts are received. Picked up parts, drove back to Quarrico to fit and test, grader is back in operation, will require part from HD to complete repair. (SM) Replace upper work light globe (noted on MWR): 18.11.2021_MWR_SC - Replaced worklight bulb (SM)	0	0.5	GRV		37.5	0	0
7629	MS44	CATERPILLAR 140M MOTOGRADER	11/22/2021	Repairs	Clean Radiator (noted on MWR): 18.11.2021_MWR_SC - Cleaned cooler pack, topped up coolant (2L). 0.75 Hrs (SM)	0	5	MSM		375	382.39	0
7624	MS44	CATERPILLAR 140M MOTOGRADER	11/17/2021	Repairs	18.11.2021_MWR_SC - Replaced worklight bulb (SM)	0	0.25	Workshop Mbh		18.75	4.25	0
7623	MS44	CATERPILLAR 140M MOTOGRADER	11/17/2021	Repairs	Clean Radiator (noted on MWR): 18.11.2021_MWR_SC - Cleaned cooler pack, topped up coolant (2L). 0.75 Hrs (SM)	0	0.75	Workshop Mbh		56.25	9.216	0
7600	MS44	CATERPILLAR 140M MOTOGRADER	11/15/2021	Compliance	GRV Site Into: 16.11.2021_MWR_SC - Performed GRV inspection, swapped blue beacon with spare amber beacon, completed and submitted paperwork, will need to replace upper work light bulb, clean radiator and top up fluids when time permits. 2 Hrs (SM) 14.11.2021 - Will need an RA for GRV, Nikki has emailed Nige. (KD)	0	2	GRV		150	0	0
7599	MS44	CATERPILLAR 140M MOTOGRADER	11/15/2021	Tyre/Track	Tyre Audit - complete an MWR with the the tyre size, quantities (steer/drive, specifying tyres fitted and any spares stored on the vehicle) and brand / model: POS 1 + 2- Haultrax Blade Runner 17.5 R25, POS 3+5+6- Goodride CB760 17.5 R25, P 4- Bridgestone V Steel MtracJon 17.5 R25. MNM Site Into: 02.12.2021_MWR_SC - Perform MNM annual inspection and paperwork. Scan and place in the MNM tray. 1.5 Hrs (SM) 30.11.2021 - MNM Work order added (SM) 15.11.2021 - Nige emailed RA and EFA to Paul for review, said will send it to Blue Crew as well. (KD) 14.11.2021 - Nikki has requested work order. Will need an RA for GRV and MNM and an EFA for MNM. Nikki has emailed Nige. ((KD) (DONE) Cooling Package needs clean: 08.11.2021 - Troy confirmed it has been hosed out (SM) 04.11.2021 - HEQ didn't do as site said they would do it at the washed, emailed site to get confirmation. (SM) 14.10.2021 - Asked HEQ to look at this when on-site 18/10 (SM) Stick through front tyre: 03.11.2021 - Ash advised the Stick was only in the tread and not through the case and not punctured. Stick removed and all good. (SM) 02.11.2021 - Contacted Adam at Cameby workshop to arrange Otraco to change the Tyre (SM)	0	0.5	Toowoomba		37.5	0	0
7594	MS44	CATERPILLAR 140M MOTOGRADER	12/1/2021	Compliance	14.11.2021 - Nikki has requested work order. Will need an RA for GRV and MNM and an EFA for MNM. Nikki has emailed Nige. ((KD) (DONE) Cooling Package needs clean: 08.11.2021 - Troy confirmed it has been hosed out (SM) 04.11.2021 - HEQ didn't do as site said they would do it at the washed, emailed site to get confirmation. (SM) 14.10.2021 - Asked HEQ to look at this when on-site 18/10 (SM) Stick through front tyre: 03.11.2021 - Ash advised the Stick was only in the tread and not through the case and not punctured. Stick removed and all good. (SM) 02.11.2021 - Contacted Adam at Cameby workshop to arrange Otraco to change the Tyre (SM)	0	1.5	Toowoomba		112.5	0	0
7545	MS44	CATERPILLAR 140M MOTOGRADER	11/7/2021	Repairs	14.10.2021 - Asked HEQ to look at this when on-site 18/10 (SM) Stick through front tyre: 03.11.2021 - Ash advised the Stick was only in the tread and not through the case and not punctured. Stick removed and all good. (SM) 02.11.2021 - Contacted Adam at Cameby workshop to arrange Otraco to change the Tyre (SM)	0	0.1	Cameby		0	0	0
7521	MS44	CATERPILLAR 140M MOTOGRADER	11/2/2021	Tyre/Track	Tyre (SM)	0	0.1	Cameby		0	0	0

7441	MS44	CATERPILLAR 140M MOTOGRADER	10/8/2021	Service	(Done)Service Due at 3500hrs (3462hrs on 08/10): 08.10.2021 - Service carried out by Hastings Deering. (SM) 05.10.2021 - Confirmed the booking with Hastings. (SM) 30.09.2021 - Hastings are tentatively booked for 08/10 (SM) 29.09.2021 - Emailed Hastings & CFP for quotes. (SM)	0	0.1	Cameby		0	2812.33	0
7433	MS44	CATERPILLAR 140M MOTOGRADER	10/18/2021	Repairs	(DONE) Fault Lights coming on and low power(battery), now will not start. (SM): 19.10.2021 - HEQ: Installed new Alternator, Belt & Batteries. (SM) 19.10.2021 - Batteries ordered were wrong one, new ones ordered and Zac to collect and take to site. (SM) 15.10.2021 - Jon Loane from HEQ phoned, has someone going through Toowoomba today so we could order the parts and get them picked up. 1 x 10R-9097 Alternator GP-B.; 1 x 348-7886Belt-Serpentine: 2x 230-6368 Battery. Placed order over the phone with Hastings Toowoomba, let them know being collected by HEQ - SO5007437582, PO # MS44. (KD) 14.10.2021 - Spoke with Aaron & Cheona at Hastings Sield Serv Toowoomba, they are going to try and look at tomorrow 15/10 as they already have someone onsite, but no promises. HEQ are booked for Tuesday 19/10. (SM) Hyd Oil Leak: 09.10.2021 - Hastings fitted the new Hyd Hose and repaired the RH Steer Cylinder Sensor wiring. (SM)	0	0.1	Cameby		0	3873.72	0
7392	MS44	CATERPILLAR 140M MOTOGRADER	10/8/2021	Repairs	Grease Nipple on Steering needs replacing.	0	0.1	Cameby		0	319.1	0
7311	MS44	CATERPILLAR 140M MOTOGRADER	9/27/2021	Repairs	28.09.2021 - Ash said he replaced the grease nipple. (SM)	0	0.1	Cameby		0	0	0
6788	MS44	CATERPILLAR 140M MOTOGRADER	6/24/2021	Site Comp	Check Spare Rim and Tyre condition (to go with machine to Cameby): 25.06.2021 - Met Wises at Croft for tyre fitment. (SM) 22.06.2021 - Wises have the tyre in stock, Booked for Thursday 24/06 for fitting at Croft (SM) 16.06.2021 - Tyre ordered from Wises, tyre being ordered in, they will call when it arrives. (SM) 05.06.2021_MWR_SC - Put MS9-6 rim and dead tyre onto float to get taken to Toowoomba. (SM) 03.06.2021 - Freedom quoted \$1050 + gst delivered to Moranbah. Wises Mobile Tyres quoted \$1420 + gst Ex Brisbane to Toowoomba. (SM) 03.06.2021 - MS44 does not have spare rim. MS9 has two spare rims, MS9-6 will be allocated to MS44 as spare, was NDT tested on 06.04.2020, certificate attached. It will need a new tyre once it is mobilised to Toowoomba. (KD) 19.05.2021 - Sean - will get it in when 4776 is done. (KD)	0	0.1	Workshop Mbh		0	1479.0909	0
6787	MS44	CATERPILLAR 140M MOTOGRADER	6/4/2021	Site Comp	Cameby Pre Mobilisation Inspection: 05.06.2021_MWR_SC - Continued CDM inspection. Checked all fluids, topped up where necessary. Supplied new first aid kit and snake bite kit, as they had expired. Installed CDM radio into grader, had to fit mounting bracket, mounted new antenna. Replaced amber flashing beacon with blue beacon. Greased, cleaned air filters. Fitted new max height sticker. Adjusted bent LHS step. Performed brake test, completed and submitted CDM paperwork. Loaded grader onto float. (SM) 04.06.2021_MWR_SC - Began inspecting grader. (SM) 02.06.2021 - Phoned Jason but Todd had phone, he is at MNM, Jason not passed out to move the grader so Todd will do it tomorrow. (KD) 19.05.2021 - Sean - will get it in when 4776 is done. (KD) Replace Blade Slides and adjust Circle & cylinders. 05.06.2021_MWR_SC - Adjusted Circle pinion contact, adjusted circle float pads, fabricated 2 X shims as required. (SM) 04.06.2021_MWR_SC - Replaced lower blade slides, adjusted upper slides, removed shims from centre shift cylinder, circle required adjustment/shimming, will complete tomorrow. (SM)	0	6.5	Workshop Mbh		487.5	67.6244	0
6786	MS44	CATERPILLAR 140M MOTOGRADER	6/4/2021	PM	GRV Brake Test due 30/04. 27.04.2021_MWR_SC - Drive to MNM, sign in, locate machine, perform brake test, Drive back to W/S, complete and submit paperwork. (SM)	0	5	Workshop Mbh		375	118.32	0
6555	MS44	CATERPILLAR 140M MOTOGRADER	4/26/2021	External	27.04.2021 - Sean will head out this afternoon. (KD). GRV Brake Test due 30/04.	0	0.5	GRV		37.5	0	0
6498	MS44	CATERPILLAR 140M MOTOGRADER	4/19/2021	External	20.04.2021_MWR_CD - Complete break test complete all paper. (SM) MNM Brake Test due 30/04. 27.04.2021_MWR_SC - Drive to MNM, sign in, locate machine, perform brake test, Drive back to W/S, complete and submit paperwork. (SM) 27.04.2021 - Sean will head out this afternoon. (KD).	0	0.5	GRV		0	0	0
6492	MS44	CATERPILLAR 140M MOTOGRADER	4/26/2021	External	27.04.2021 - Sean will head out this afternoon. (KD).	0	1	MNM		75	0	0
6491	MS44	CATERPILLAR 140M MOTOGRADER	4/19/2021	Service	Service Due at 3250hrs (3224 hrs on 20/04). 20/04.2021_MWR_CD - Complete 250hr service to mss service sheet. (SM) Grease & Check over. 09.04.2021_MWR_ES - Greased & checked over machine / travelled back to workshop. (SM)	0	3	MNM		225	326.806717	0
6415	MS44	CATERPILLAR 140M MOTOGRADER	4/8/2021	PM	Check over. Measure & record machine dimensions. 02.04.2021_MWR_WA - Top up engine oil check machine. Measure and record dimensions. (SM)	0	0.5	MNM		37.5	6.306717	0
6376	MS44	CATERPILLAR 140M MOTOGRADER	4/1/2021	PM	Jump Start Receptacle Inspection by 23/04/2021. 02.04.2021_MWR_WA - Inspect jumpstart receptacle does not override battery master switch in off position. (SM)	0	1	Workshop Mbh		85	8.0734	0
6375	MS44	CATERPILLAR 140M MOTOGRADER	4/1/2021	Corrective		0	0.5	MNM		42.5	0	0

6359	MS44	CATERPILLAR 140M MOTOGRADER	4/8/2021	Repairs	RH Side door wipers not working. 09.04.2021_MWR_ES - Replaced RH Wiper motor. (SM) 31.03.2021 - part ordered on Hastings Doc #5006512935 (SM) 30.03.2021_MWR_SC - Located machine, inspected, found blown fuse for RH door wiper motor, replaced fuse, blew straight away, inspected wiring, wiper motor is seized. New wiper motor required. (SM) Weekly Service.	0	1.5	MNM		75	208.57	0
6310	MS44	CATERPILLAR 140M MOTOGRADER	3/24/2021	PM	25.03.2021_MWR_ES - Carried out weekly service & check over. (Grease/ filter inspection). Installed grommet into tracker fob hole in dash. (SM) Remove Verizon Tracker.	0	0.5	MNM		37.5	3.570979	0
6101	MS44	CATERPILLAR 140M MOTOGRADER	2/24/2021	Verizon	25.02.2021_MWR_ES - Remove Tracker (SM) Replace/rotate Cutting Edges, inspect.	0	0.5	MNM		37.5	0	0
5968	MS44	CATERPILLAR 140M MOTOGRADER	2/5/2021	GET	05.02.2021_MWR_CD - Locate machine on site .5hr. Replace both blade GET's and plow bolts 1.0hr Return to workshop .5hr (SM)	0	2	MNM		150	405.76	0
5933	MS44	CATERPILLAR 140M MOTOGRADER	1/30/2021	External	GRV Brake Test, due 30.01.2021. 31.01.2021_MWR_SC - Complete, scan and submit brake test paperwork. (SM) 30.01.2021_MWR_SC - Locate machine onsite, perform brake test. (SM)	0	1	GRV		75	0	0
5932	MS44	CATERPILLAR 140M MOTOGRADER	1/30/2021	External	MNM Brake Test, due 30.01.2021. 31.01.2021_MWR_SC - Complete, scan and submit brake test paperwork. (SM) 30.01.2021_MWR_SC - Locate machine onsite, perform brake test. (SM)	0	1	MNM		75	0	0
5830	MS44	CATERPILLAR 140M MOTOGRADER	1/9/2021	External	GRV Brake Test due 27.01.2021. 09.01.2021_MWR_CD - Complete 3monthly brake test for MNM and GRV 1.5 (SM)	0	0.5	GRV		37.5	0	0
5829	MS44	CATERPILLAR 140M MOTOGRADER	1/9/2021	External	MNM Brake Test due 27.01.2021. W/O attached: 09.01.2021_MWR_CD - Complete 3monthly brake test for MNM and GRV 1.5 (SM)	0	1	MNM		75	0	0
5821	MS44	CATERPILLAR 140M MOTOGRADER	1/9/2021	Service	1000Hr Service due 3000hrs (at 2922 hrs on 10/12): 10.01.2021_MWR_CD - Load onto float and chain down machine, travel to MNM. Take machine to east mains, unload machine and pack up float 2.5hrs (SM) 09.01.2021_MWR_CD - Complete 1000hr service to mss service sheet 4.5 (SM) 08.01.2021_MWR_CD - Pick up machine from MNM and take back to workshop, 3.0. Wash off machine and clean out all coolers, 1.5hrs. Start 1000hr service, 1.5hrs (SM) 07.01.2021 - Blake - Clay can collect tomorrow after he moves the Crib hut and Float back to the yard for service. (KD) 10.12.2020 - Goods received, can schedule service. (KD) 07.12.2020 - 1000hr Service Kit & Air Filters Ordered, Hastings Doc# 5006007277, MEX PO 281	0	13.5	GRV		1012.5	1853.450792	0
5722	MS44	CATERPILLAR 140M MOTOGRADER	1/7/2021	Repairs	Fire Suppression Alarming: 09.01.2021 - HYDRAFIRE: Inspected Machine, alarm panel had been reset prior to arrival. No fault found. Assumption is heat may have over-pressured the system resulting in Alarm. Tested pressure switches all operational. (SM) 07.01.2021 - phoned Kev at Hydrafire and he can have someone look at it tomorrow. Let Blake know kyle is coming and sent PO 306 to Hydrafire and site with contact details. (KD) 06.12.2020_MWR_ES - Fire suppression alarm went off, travelled to machine, reset display & alarm went away, Sean was sending an email to Kate, about Hydrafire inspecting the system. Machine is back at work. (SM) Small leak from RH Lift Ram seal: 04.12.2020 - Ed and Sean had a look at it and definitely no leak so we can close this one out. (KD)	0	0.5	MNM		37.5	170	0
5687	MS44	CATERPILLAR 140M MOTOGRADER	12/5/2020	Repairs	25.11.2020 - texted Clay to check while he is at site. (KD) Roof triangle is loose and broken at base: 03.12.2020_MWR_SC - Found roof triangle loose on Grader, pulled off, replaced 2 magnets with ones that were from an older roof triangle. Glued up broken plastic base. Repair will be sufficient. Will put inspect roof triangle mounting/condition on future service sheets. (SM)	0	0	MNM		0	0	0
5682	MS44	CATERPILLAR 140M MOTOGRADER	12/2/2020	Repairs		0	1	Workshop Mbh		75	0	0

				Air con not working: 05.12.2020 - Sean confirmed regassed and notified site to collect. (KD) 04.12.2020_MWR_ES - Setup machine in workshop, removed old hoses, extra time was needed due to where the hoses ran, needed to remove some bash plates. installed new hoses with new orings. installed new dryer, reinstalled bash plates/covers, started vacing down system. cleaned up work area. A/C mob isnt coming till tommorrow. disconnected gauges & parked machine up. (SM) 04.12.2020 - Ed is fitting parts, Sean will call BDS when done so can be regassed. (KD) 03.12.2020 - spoke to Ben @ BDS to let him know we have ordered parts, should arrive tomorrow. Will call once fitted so they can regas. (KD) 02.12.2020_MWR_ES - Travelled to site & signed in. .5hrs Inspected a/c found no gas in system. inspect, found hose covered in oil. Machine being transported back to workshop. 1hr. Inspected machine at workshop, found blown hose & another hose rubbed. Sent part list off to Kate & Steven. Parked machine up in yard & cleaned work area. 1hr (SM) 02/12/2020 - Hoses ordered from Hastings (SM) 02.12.2020 - Ed phoned to say MS44 air con not working, is at site and it needs to come off site for repair. Mark is refusing to drive it so Troy is working out what to do to get it offsite. Phoned Simon, not available until Friday. Phoned OHMs, they can look at it tomorrow. Asked Ed to get part numbers so we can get ordered so they will be there tomorrow. (KD) Mark reported coolant low on ms44. 21.11.2020_MWR_ES - Mark reported coolant low on ms44. topped up wasn't low, only added 1L (SM) Replace Air Filter 18.11.2020_MWR_ES - Replaed Air Filters (SM) Inspected & blew out filter. 09.11.2020_MWR_ES - Inspected air filters, found inner filter to be dusty. recommend replacing both filters very soon. Filters 245-6375 & 245-6376 to be ordered. nil in stock. (SM) GRV 3 Mth brake test (Please complete a GRV brake test so that is comes in line with MNM and we won't need to do it early in the new year) 01.11.2020_MWR_CD - Complete Annual Inspection for MNM and GRV Brake Test, complete all paperwork and give to Nikki (SM) MNM Site Introduction - due 02.11.2020. 01.11.2020_MWR_CD - Complete Annual Inspection for MNM and GRV Brake Test, complete all paperwork and give to Nikki (SM)								
5672	MS44	CATERPILLAR 140M MOTOGRADER	12/4/2020 Repairs		0	7	MNM		525	648.61	0	
5629	MS44	CATERPILLAR 140M MOTOGRADER	11/20/2020 Repairs		0	0.5	MNM		37.5	5.84775	0	
5607	MS44	CATERPILLAR 140M MOTOGRADER	11/17/2020 PM		0	0.5	MNM		37.5	119.53	0	
5558	MS44	CATERPILLAR 140M MOTOGRADER	11/10/2020		0	0.5			37.5	0	0	
5509	MS44	CATERPILLAR 140M MOTOGRADER	11/2/2020 External		0	1	GRV		75	0	0	
5508	MS44	CATERPILLAR 140M MOTOGRADER	11/2/2020 Compliance		0	0.5	MNM		37.5	0	0	
5396	MS44	CATERPILLAR 140M MOTOGRADER	10/9/2020 Verizon	Plastic cover that FOB is mounted in has cracked and is coming apart. FOB still works: 10.10.2020_MWR_Remounted fob, repaired broken cover. Cleaned out all cooler packs, they were almost clogged, cleaned air filters, why was this not done on service?...1 Hr. Shimmed circle as had a fair bit of slop- why was this not done on service? 1 HR 08.10.2020 - Booked in for Saturday 10th to come to yard. Sean arranged with Blake. (KD) 07.10.2020 - Sean - will see if can get it into the yard to all MRFs looked at. (KD)	0	2.5	GRV		187.5	0	0	
5395	MS44	CATERPILLAR 140M MOTOGRADER	11/7/2020 Damage	LH step damage, still useable: 08.11.2020 - Have swapped around - Sean will do MWR. Sean fitted the ordered steps to MS9 so parts are on work order 5543 (KD) 21.10.2020 - Bec at Hastings advised part no. 4661384 was shipped 20/10 on Followmont Con Note No. HDFM06251626. Followmont tracking shows it should be delivered to the workshop today 21/10 (MW) 19.10.2020 - only part no. 4547807 has been received in to the Workshop (MW) 13.10.2020 - Hastings quote \$410.99 Part is ex Brisbane. Have added to Teams App for approval. PO sent to supplier sales order number: 5005755165 (MW) 12.10.2020 - have asked Zoe at Hastings to quote 2 X 4661384 step belts, 1 X 454-7801 step (MW) 12.10.2020 - emailed Blake, GRV supervisor, Nigel to follow up on incident report. (KD) 11.10.2020 - Sean - could fix but modifying an engineered item so best to replace properly. Swapped out with MS9 or would have had to tag it out cause could have broken under load. 2 X 4661384 step belts, 1 X 454-7801 step 11.10.2020 - Sean emailed - "the RH Ladder has been hit by the blade recently, causing the supporting rubbers to tear through the bolts, in the mean time I have swapped them over with MS9 (identical ladder) and will order/request the parts". 10.10.2020_MWR_Swapped steps over with MS9 to enable use of MS44, damage reported. Parts requested. (KD) 08.10.2020 - Booked in for Saturday 10th to come to yard. Sean arranged with Blake. (KD) 07.10.2020 - Sean - will see if can get it into the yard to all MRFs looked at. (KD)	0	0	GRV		75	0	0	

				Wiper motor cover on RH door loose: 10.10.2020_MWR_Adjusted wiper motor cover. 08.10.2020 - Booked in for Saturday 10th to come to yard. Sean arranged with Blake. (KD) 07.10.2020 - Sean - will see if can get it into the yard to all MRFs looked at. (KD) 05.10.2020 - asked clay to look at while on site. (KD) 21.09.2020 - Sean will inspect and repair within the week (MW) Manual is becoming very worn and probably time for a new one: 25.03.2021_MWR_ES - Replaced Manual in Cab (SM) 10.10.2020_MWR_Inspected manual, cable has been cut, causing manual to fall down behind seat and get jammed causing damage, reported	0	0.5	GRV		37.5	0	0
5394	MS44	CATERPILLAR 140M MOTOGRADER	10/9/2020 Repairs								
5393	MS44	CATERPILLAR 140M MOTOGRADER	3/24/2021 PM	Needs new cutting edges: 10.10.2020_MWR_Replaced cutting edges 08.10.2020 - Booked in for Saturday 10th to come to yard. Sean arranged with Blake. (KD) 07.10.2020 - Sean - will see if can get it into the yard to all MRFs looked at. (KD) 07.10.2020 - Sean have 2 in stock, I checked again - seems to be cat item 617, none in stock. Emailed Mel to let her know. (KD) 02.10.2020 - asked Mel to get quote from ITR and CE, none in stock from what I can see. (KD) 21.09.2020 - Sean advised still have a couple of weeks in them yet so will monitor (MW) 14.09.2020 - Needs to be inspected. (KD) GRV annual reinspection due: 02.10.2020_MWR_perform annual inspection and brake test for GRV, complete and submit paperwork	0	0.5	GRV		37.5	0	0
5392	MS44	CATERPILLAR 140M MOTOGRADER	10/9/2020 GET		0	1	GRV		75	186	0
5367	MS44	CATERPILLAR 140M MOTOGRADER	10/1/2020 Compliance		0	1.5	GRV		112.5	0	0
5296	MS44	CATERPILLAR 140M MOTOGRADER	10/5/2020 PM	Centre pin sticks badly at times, a can of dry lube would be ideal: 06.10.2020_MWR_locate machine on site, clean up circle locking pin holes. use can of dry lube to lubricate locking mechanism 05.10.2020 - CLay will go to site tomorrow, emailed GRV and pick list. (KD) 01.10.2020 - Ed confirmed part has arrived into the Workshop so this work can now be scheduled (MW) 01.10.2020 - Zoe at Hastings advised dispatched 23/09 on con note number: HDFM06250899 (MW) 21.09.2020 - Hastings quote \$45.54 + GST. Have added to Teams App for approval and PO sent to supplier sales order number 5005668567 (MW) 21.09.2020 - Sean advised we really need a dry lube spray for this lot the stick. Mel to get quote from Hastings, have requested from Sandi part number 1U8268 (MW) 17.07.2020 - We have dry lube in stock - GOSS DRI LUBE SOLID LUBRICANT STICK 25G, need to check if can take to site. (KD)	0	1	GRV		75	45.54	0
5281	MS44	CATERPILLAR 140M MOTOGRADER	10/9/2020 Repairs	Ball at front of "A" frame getting loose (photo attached): 10.10.2020_MWR_Replaced Drawbar ball and bolts and shims 18.09.2020_MWR_Pull front ball joint apart, inspected parts, high amount of wear in ball and cup, photos have been sent, bolts are damaged and need replacing soon. reassembled, with red lock tight, torqued to spec. packed up. job complete. 2750 hour service due (hours as of 03/09 2708): 05.09.2020_MWR_complete grader service to MSS service sheet 03.09.2020 -- scheduled for Saturday 06.09 - emailed GRV to confirm. (KD)	0	8	GRV		600	3742.83	0
5220	MS44	CATERPILLAR 140M MOTOGRADER	9/4/2020 Service		0	2	GRV		150	350.09	0
5100	MS44	CATERPILLAR 140M MOTOGRADER	8/10/2020 Repairs	Fault codes on screen: J1939 data link (246-9) and blade slope sensor (3694-9) (photos attached): 11.08.2020_MWR_diagnose fault being electrical issue between tilt sensor and ECU. continuity test wiring harness. find 2 broken wires in harness. locate position of broken wires, cut into harness to expose broken wires. repair and test ok 10.08.2020 - Clay on site, doesn't have the computer. (KD)	0	1.5	GRV		112.5	0	0
5067	MS44	CATERPILLAR 140M MOTOGRADER	8/4/2020 Repairs	Excess movement in drawbar: 05.08.2020_MWR_remove drawbar ball retainer plate, support front of drawbar with slings across main frame. Separate drawbar from front of grader, clean off excessive grease. find that all 5 retaining bolt for draw bar ball had come loose. remove bolts and ball, clean and inspect for damage. no damage found, clean components, refit ball and retaining bolts with thread locker, tension bolts to 500NM as per OEM specs, refit drawbar and test from movement 2, grease machine .25, clean inactive fault codes .25 R2357 04.08.2020_MWR_While brake testing, found excessive movement in the drawbar, advised site supervisor, inspected, tagged the machine out, and looked up parts. Organised for machine to be delivered to workshop GRV and MNM brake test due 09/08/2020: 05.08.2020_MWR_Complete Brake test paperwork for GRV, MNM and MSS, scan and submit. 04.08.2020_MWR_Located machine, perform Brake test. Will complete paperwork tomorrow. 04.08.2020 - sent Sean the MNM work order. Also attached in MEX (MW) 30.07.2020 - Sean - still no work order. (KD)	0	4	GRV		300	0	0
5066	MS44	CATERPILLAR 140M MOTOGRADER	8/4/2020 External		0	1.5	Workshop Mbh		112.5	0	0

5003	MS44	CATERPILLAR 140M MOTOGRADER	8/4/2020	Repairs	Service fault cods: 27 96-3, 36 E198(1), 36 E198(2), 53 271-3, 82 E2085(2): 05.08.2020 - Sean - all inactive codes, can close out. (KD) 30.7.2020 - Sean - E198(1) low fuel pressure - would have been when had the tank off. emailed Sean Ed's check, will review. (KD) 26.07.2020_MWR_Looked up fault codes on SIS & sent email to kate & mel (EMAIL SAVED TO WORK ORDER/REQUEST). Need to connect onto machine to check for active codes when ET is working.	0	0.5	GRV		37.5	0	0
4931	MS44	CATERPILLAR 140M MOTOGRADER	7/6/2020	PM	Retorqued front wheel nuts: 07.07.2020_MWR_Retorqued front wheel nuts after replacing tyres last week.	0	0.5	GRV		37.5	1.56	0
4888	MS44	CATERPILLAR 140M MOTOGRADER	6/28/2020	Compliance	GRV Brake test (once fuel tank back in): 29.06.2020_MWR_Perform GRV Brake test, function test grader. 29.06.2020 - Sean advised: Logan has been contacted and is enroute to pick up paperwork and MS44. (MW) 29.06.2020 - Logan needs it urgently, have asked Sean to do it as the first task today. (KD) 25.06.2020 - confirm fuel tank was completed 24/06 so this can now be done (MW) 24.06.2020 - fuel tank will be back in over the weekend assuming it arrives so brake test can ebe done when Sean gets back in 29th. (KD) 04.06.2020 - Blake - "We don't have access to that system but provided we have completed the annual compliance we should only need to submit a brake test." 03.06.2020 - Nikki responded "MS44 does have a compliance inspection for December but we did not redo a brake test for it in March, will it be able to just have a brake test done on it to return to site or will it require a site inspection. I don't have access to anything on Grosvenor that can tell me if the equipment is still current." (KD) Is there any permit system Logan can access that tells us what equipment is current, like the one on MNM? 02.06.2020 - Blake/ Nikki asked that GRV site intro be done - checked history and it was done back in December, asked Nikki to clarify whether site intro or just brake test. (KD) Install Verizon GPS tracker: 05.06.2020_MWR_Installed tracker into machine & tested. (TRACKER NO. 4661436452) 27.05.2020 - Craig now wants fitted ASAP. (KD) 01.04.2020 - Sean: was told to hold off on this (MW) 28.02.2020 - Fit while doing brake test on 29.01.2020	0	1.5	Workshop Mbh		142.5	0	0
4744	MS44	CATERPILLAR 140M MOTOGRADER	6/4/2020	Verizon	Tighten circle/drawbar (to be done in around 500 hours): 09.06.2020_MWR_Replaced top & bottom circle wear pads & adjusted to spec. tested circle function for correct operation. 08.06.2020_MWR_Plumbed fuel lines so the machine can be moved into the workshop, Removed & replaced bottom blade lift cylinder bushes and adjusted to spec with shims. Removed & replaced blade sideshift cylinder bushes & adjusted to spec with shims 04.06.2020_MWR_Adjusted upper wear plates with shims on circle drive. 18.05.2020_MWR_Adjust circle 2.0 27.03.2020 - Sean advised on MWR the following: We need to discuss a wear package with blade and circle slides, shims and pads. As they are on their last adjustment. Blade slides- by next service, Circle wear pads and slides in around 500 HRS (May) 21.04.2020 - emailed Mel to put a reference in the services register for the circle bar so we do it at the 2750 service. Will have to order in advance. Get Craig's approval. 16.04.2020 - sent quote to Kate and Workshop for approval, Hastings quote is \$3012.24 and all parts are in stock in Mackay but from one which will need to come from Brisbane. (MW) Circle/drawbar: 6 X 302-6338 Upper Wear Strips, 6 X 333-0960 Lower Wear Strips, 6 X 302-6337 10MM Shims, 24 X 302-6335 0.25MM Shims, 60 X 302-6336 0.5MM Shims Lift and Angle Cylinders: 8 X 279-5267 Cup Insert, 16X 279-5268 0.5MM Shim 2500 hour service due: 18.05.2020_MWR_Wash machine and clean out radiators 1.0 Complete 500hr service 3.0 18.05.2020 - Paul cofirmed will have floated to workshop tomorrow. (KD) 10.05.2020 - Sean confirmed all service parts in stock (MW)	0	2	MNM		150	0	0
4669	MS44	CATERPILLAR 140M MOTOGRADER	6/8/2020	PM	MNM brake test due 28/05: 10.05.2020_MWR_Perform brake test, complete, scan and submit paperwork.	0	14.5	MNM		1087.5	3062.22	0
4660	MS44	CATERPILLAR 140M MOTOGRADER	5/17/2020	Service	Fire suppression dropping pressure: 02.05.2020_Nikki arranged for FSI to complete works as per attached record 02.05.2020 - FSI attended, leak on the end of one LOP fitting, they have repaired and sent through report and photos (attached). They will bill on Tuesday. (KD) 02.05.2020 - Paul phoned to say fire suppression has discharged overnight. Sent message to Nikki to see if she can get tech on site. (KD) 29.04.2020 - Nikki advised: I will find out when they are going to be in Moranbah again. Otherwise I will have to get a quote from FSI.	0	4	MNM		300	809.41	0
4624	MS44	CATERPILLAR 140M MOTOGRADER	5/9/2020	External		0	1.5	MNM		142.5	0	0
4622	MS44	CATERPILLAR 140M MOTOGRADER	5/1/2020	Corrective		0	0	MNM		0	0	0

				26.06.2020_MWR_Ran the machine up to check for fuel leaks after yesterday's repairs - all good.								
				25.06.2020_MWR_Went to clean down ms44 after fuel tank install and noticed fuel leaking from two plastic hose fittings on top of the tank, we reused the old cork gaskets as they looked fine but they started leaking, I've resealed them with sealant. Then cleaned down the tank. will let the sealant set overnight and reinstall the ladder tomorrow.								
				24.06.2020_MWR_Clean tank for installation. Fit and mount tank, secure all fittings, brackets and hoses. top up with diesel, test drive, ok. Ready for GRV Brake test.								
				24.06.2020 - Sean confirmed fuel tank now arrived at Workshop and he will help Ed to start this afternoon (MW)								
				24.06.2020 - Sean said half day job, a bit tricky but once it's in it should be straightforward. Ed can do it if it comes in today or tomorrow. Need to do it before 03.07.2020 because CR54776 is being brought to workshop for repair. (KD)								
				23.06.2020 - Followmont Brisbane advised it was collected at 1pm 22/06 on con note number FMT16755819 and was scanned in at Rocky this morning out for delivery to Moranbah today so hopefully we will see it tomorrow 24/06 (MW)								
				22.06.2020 - Paid for tank and arranged collection with Followmont on booking number FOL1417521 (MW)								
				19.06.2020 - Noel advised he is working on this today but it is a large repair as there is 16 screw holes as well as the damage to fix. If all goes well then should be able to arrange transport on Monday 22/06 (MW)								
				16.06.2020 - Noel quoted \$1100 including GST to complete the below works and can do it on Friday 19/06 (MW)								
				12.06.2020 - Noel advised the tank has arrived and will look at it this afternoon to quote up (MW)								
4564	MS44	CATERPILLAR 140M MOTOGRADER	6/25/2020	Damage	11.06.2020 - tracking says hasn't even been scanned in at the depot. Mel is Tighten up the blade.	0	15.5	MNM		1292.5	1078.2	0
					18.05.2020_MWR_Replace blade slides							
4545	MS44	CATERPILLAR 140M MOTOGRADER	5/17/2020	GET	27.03.2020 - Sean advised on MWR the following: We need to discuss a wear package with blade and circle slides, shims and pads. As they are on their last adjustment. Blade slides- by next service, Circle wear pads and slides in around 500 HRS (May)	0	2	MNM		190	933.94	0
					Broken ripper:							
4524	MS44	CATERPILLAR 140M MOTOGRADER	4/18/2020	GET	19.04.2020_MWR_Locate machine on site .S Replace ripper tine .S Return from site .S	0	1.5	MNM		142.5	0	0
					Fire suppression warning signal activating - show on redside of gauge:							
					23.03.2020_Nikki arranged for FSI to complete works as per attached record: Technician called to asset due to system low pressure. Technician attended asset and inspected. Discharge and actuation hose fittings at the cylinder head are heavily corroded and could not be undone to cap the cylinder and leak test actuation line . System has been serviced by HydraFire since installation. Technician recharged system to correct pressure. System operational.	0	0	MNM		0	0	0
4433	MS44	CATERPILLAR 140M MOTOGRADER	3/21/2020	Corrective								
4415	MS44	CATERPILLAR 140M MOTOGRADER	2/15/2020	Repairs	(DONE - need to find MWR Sunday) Fuel leak: 16.02.2020 - Troy advised by email that Clay attended site and fixed the leak. (KD)	0	0	MNM		0	0	0
					Hastings oil sample results: Transmission; Tandem left; Tandem right; Engine primary all A. Hydraulic system _ B, recommends Resample after 1,000 kilometres. Infrared analysis appears acceptable. Aluminium & silicon are increasing (possible minor dirt ingress). All other test results appear acceptable. Suggested Action: Inspect the used oil filters for abnormal debris. Locate and rectify possible dirt entry. Inspect for leaks at fill points/breathers/seals and for scores in the rods of hydraulic cylinders. Continue sampling at the recommended interval. Roof triangle has fallen off:	0	0			0	0	0
4407	MS44	CATERPILLAR 140M MOTOGRADER	2/24/2020		28.03.2020_MWR_Relieved call that roof triangle has fallen off. Inspected machine, sticks located on roof, not sure if the cause, or a combination of driving down to the Workshop, on further inspection one of the magnets has disintegrated and let go. Picked up roof triangle, drove to H24 and picked up magnets for attachment. Fabricated bracket and fitted new magnets, and light at workshop. Made wiring loom and drove back to MNM to fit to grader. Fitted, test, ok. Drove back to workshop.							
4398	MS44	CATERPILLAR 140M MOTOGRADER	3/27/2020	Corrective	Oil sample results - B Hydraulic:	0	4	MNM		300	215.98	0
4395	MS44	CATERPILLAR 140M MOTOGRADER	3/26/2020	PM	27.03.2020_MWR_Took hydraulic oil sample, will post when in town.	0	0	MNM		37.5	0	0

Job Number	Job Description	Date	Category	Hours	Rate	Amount	Balance	Notes
4358 MS44	CATERPILLAR 140M MOTOGRADER	6/7/2020	Damage	0	5	MNM	475	3091.48
4357 MS44	CATERPILLAR 140M MOTOGRADER	3/23/2020	PM	0	0	MNM	0	0
4345 MS44	CATERPILLAR 140M MOTOGRADER	3/26/2020	Service	0	3.5	MNM	262.5	132.17
4289 MS44	CATERPILLAR 140M MOTOGRADER	3/26/2020	GET	0	1.5	MNM	142.5	0
4288 MS44	CATERPILLAR 140M MOTOGRADER	3/26/2020	Repairs	0	4.5	MNM	337.5	0
4258 MS44	CATERPILLAR 140M MOTOGRADER	2/28/2020	External	0	2.5	MNM	237.5	0
4241 MS44	CATERPILLAR 140M MOTOGRADER	2/25/2020	Repairs	0	1.5	MNM	112.5	0
4162 MS44	CATERPILLAR 140M MOTOGRADER	2/11/2020	Service	0	9	MNM	675	1335.52
4114 MS44	CATERPILLAR 140M MOTOGRADER	1/27/2020	Tyre/Track	0	0	MNM	0	0
4049 MS44	CATERPILLAR 140M MOTOGRADER	1/19/2020	GET	0	2	MNM	190	0
3971 MS44	CATERPILLAR 140M MOTOGRADER	1/2/2020	GET	0	2	MNM	190	655.6
3935 MS44	CATERPILLAR 140M MOTOGRADER	12/7/2019	Service	0	2	MNM	150	119.97
3926 MS44	CATERPILLAR 140M MOTOGRADER	12/7/2019	External	0	1.5	MNM	285	0
3770 MS44	CATERPILLAR 140M MOTOGRADER	11/7/2019	Damage	0	2.5	MNM	237.5	146.72
3761 MS44	CATERPILLAR 140M MOTOGRADER	11/5/2019	GET	0	1.5	MNM	142.5	513.7

				Articulation loose and 500H service completed: 22.10.2019_MWR_Performed 500H service, changed engine oil, fuel filters, hydraulic filter, air filters and one transmission filter. Moved fire suppression nozzle to enable easier access to air filter. Cleaned articulation sensor, recalibrated articulation. Removed radiator panelling, cleaned and hosed out radiators. 07.10.2019_MWR_drive to MNM, fault find with machine for possible causes of loose articulation, could not fault on site. Further investigation needed at workshop, return to workshop 06.10.2019 2nd MRF received: articulation has a lot of movement - needs to be looked at ASAP								
3653	MS44	CATERPILLAR 140M MOTOGRADER	10/21/2019	Service	Articulation moving left to right getting worse Damage - Operator Damage: Fit missing dipstick 19.09.2019_MWR_Locate machine at MNM Fit missing dipstick, test, ok. Drive back to Workshop. Fit missing dipstick	0	11.5	Workshop Mbh		862.5	1108.45	0
3584	MS44	CATERPILLAR 140M MOTOGRADER	9/18/2019	Damage	Damage - Operator Damage: FIT TEMPORARY SOLUTION FOR MISSING DIPSTICK 15.09.2019_MWR_Recieved message about missing dipstick on MS44. Called supervisor, advised him to tell operator to stop operating machine immediately. As dirt WILL contaminate transmission oil. Found temporary cap, (off MS67) drove to GRV, fitted, requested new transmission dipstick. Drove back to workshop. Supervisor advised transmission dipstick is missing	0	1	MNM		95	139.96	0
3573	MS44	CATERPILLAR 140M MOTOGRADER	9/14/2019	Damage	Supervisor advised transmission dipstick is missing	0	1	GRV		95	0	0
3524	MS44	CATERPILLAR 140M MOTOGRADER	9/2/2019	Service	03.09.2019_MWR_Perform 250Hr service as per schedule. Fit new wheel bolts, and torque all bolts again. Install new blade slide wear pads, adjust blade slides. 02.09.2019_Day Works Sheet_wash/flush cooling system - service prep 250 Hour Service	0	7	Workshop Mbh		525	483.3	221.35
3512	MS44	CATERPILLAR 140M MOTOGRADER	9/2/2019	Repairs	03.09.2019_MWR_Fit new wheel bolts, and torque all bolts again. 28.08.2019_MWR_Drove to MNM, signed in, located machine, Found missing wheel bolt and loose bolts, torqued all bolts to manufacturers specs, Drove back to workshop to source spare bolt, temporary bolt found. Drove back to mnm, fitted temporary bolt and wheel nut indicators. Requested replacement wheel bolts and will fit when parts arrive. Left hand rear tyre retainer bolt is missing. Should check tension on all tyre bolts.	0	3.5	MNM		262.5	0	0
3415	MS44	CATERPILLAR 140M MOTOGRADER	7/19/2019	Repairs	20.07.2019_MWR_Supervisor called to advise of oil leak in MS44. Attempted to diagnose over phone, Drove to MNM, located machine, found contaminants in hydraulic filter housing drain, causing slight leak, drain was used in service to drain hydraulic filter housing for replacement. was not picked after service as I could not get it up to temperature and very unusual issue.. removed drain valve, fitted bung. Did not have to top up oil as was only slight leak. Drove back to yard. Leak reported at filter drain	0	1.5	MNM		112.5	0	0
3414	MS44	CATERPILLAR 140M MOTOGRADER	7/19/2019	Service	1000 hour service: 20.07.2019_MWR_Fitted all belly guards to machine. Replaced transmission filter with correct one. Adjusted Circle movement in pinion and upper wear pads. Adjusted lift cylinder movement. Replaced cutting edges and new bolts in every second hole. Hosed out radiator / coolers. Calibrated articulation movement using CAT ET 19.07.2019_MWR_Removed belly guards, scraped and removed most of dirt from undercarriage, degreased and washed grader. Drained engine, differential and transmission oils. R&R hydraulic, transmission, air and engine filters. Filled engine and diff/transmission oil, topped up hydraulic oil, greased and checked tire pressures, inspected movement in steering and other components. Checked lights, and other usual service components, Circle, blade slides, will require adjustment.	0	19	Workshop Mbh		1425	0	0
3337	MS44	CATERPILLAR 140M MOTOGRADER	7/1/2019	PM	02.07.2019_MWR_located machine at MNM, R+R blade slides adjusted both sides 23.06.2019_MWR_Drove to MNM, located machine; Inspected blade slide by removing caps, found missing blade slide; Blade slide required to be ordered, fitted and adjusted. 19.06.2019 - 2nd MRF Mark - keeper plate blade slide RH side (says urgent) 17.06.2019 - RH lift ram starting to weep oil; top blade slides will need replacing (MRF said 7 days)	0	2	MNM		150	0	0
3300	MS44	CATERPILLAR 140M MOTOGRADER	5/30/2019	Repairs	31.05.2019_MWR_TPSCR_drove to MNM, located machine, fitted new air filter housing, test. ok. 28.05.2019_MRF_TPAH_serviced the grader and found a broken part broken off the air cleaner housing. Part ordered. Machine will have to be stood down until fitted.	0	0	MNM		150	836.56	0
3242	MS44	CATERPILLAR 140M MOTOGRADER	5/27/2019	Service	28.05.2019_MWR_TPAH_Service 03.05.2019_MWR_replaced cutting edges, removed overlays. 03.05.2019_Phone call Adam - received call from site saying edges needed to be changed. Going to MNM to inspect. 03.05.2019_cutting edge worn 20mm to mould board. 01.04.2019_MRF_Cutting edges and bits (plates) cracked and broken off. 26.04.2019_MWR_TPSC_Service 500 hours_changed all supplied filters and breathers, sampled engine oil	1.5	1.5	MNM		150	25.41	0
3202	MS44	CATERPILLAR 140M MOTOGRADER	5/2/2019	Repairs	03.05.2019_cutting edge worn 20mm to mould board. 01.04.2019_MRF_Cutting edges and bits (plates) cracked and broken off. 26.04.2019_MWR_TPSC_Service 500 hours_changed all supplied filters and breathers, sampled engine oil	0	3	MNM		300	276	0
3180	MS44	CATERPILLAR 140M MOTOGRADER	4/25/2019	Service	26.04.2019_MWR_TPSC_Service 500 hours_changed all supplied filters and breathers, sampled engine oil	0	4	MNM		300	814.02	0
3109	MS44	CATERPILLAR 140M MOTOGRADER	3/28/2019	PM	Left hand front steer ram bent elbow, hydraulic hose rubs on grease nipple.	0	0	MNM		0	0	0

3098	MS44	CATERPILLAR 140M MOTOGRADER	4/12/2019	Repairs	13.04.2019_MWR_TPAH_removed belly guard, found sensor, jammed with mud from machine being bogged. Cleaned sensor. Tried to calibrate with ET, failed. Worked on 3rd attempt. Tested function, OK. 25.08.2019_FDR_TPAH_Inspected, requires adjustment and articulation. 08.03.2019_MRF_OPBG_Articulation not centering correctly, half a wheel width off centre tyre	0	2	MNM		200	0	0
3096	MS44	CATERPILLAR 140M MOTOGRADER	3/23/2019	Service	23.03.2019_MWR_AH_250hr service; Engine SOS, replace oil filter and air filter. 21.03.2019_MWR_CS_Repair Blown Hydraulic hose - mobilise to MHF, get hose repaired, mobilise back to site, refit hose.	0	3	Workshop Mbh		300	78.21	0
3092	MS44	CATERPILLAR 140M MOTOGRADER	3/20/2019	Repairs	Fire Suppression alarm. 13.03.2019_DWS_SC_checked fire suppression system and couldn't find obvious fault. 12.03.2019_MRF_LH_Fire Suppression System faulty alarm sounding. 14.04.2019_KD called Adam. Hydrafire isn't passed out for site and Chubb overcharged us last inspection. Hydrafire due to attend site on 2 April but that might be too long to wait. 18.03.2019_FSI installed the system, they attended at Moranbah year, cleared fault code and could not find fault with the machine. Sent back to service. 17.01.2019_MWR_Prepare for site: E-stops, inspect all components; remove revolving light cases x 2, fit and wire in Plant ID triangle and revolving lights, remount UHF antenna. Rim photo attached.	0	3	MNM		228.9	85.63	0
3064	MS44	CATERPILLAR 140M MOTOGRADER	3/17/2019	Corrective	18.03.2019_FSI installed the system, they attended at Moranbah year, cleared fault code and could not find fault with the machine. Sent back to service.	0	0	MNM		75	0	0
3031	MS44	CATERPILLAR 140M MOTOGRADER	1/16/2019	Corrective	17.01.2019_MWR_Prepare for site: E-stops, inspect all components; remove revolving light cases x 2, fit and wire in Plant ID triangle and revolving lights, remount UHF antenna. Rim photo attached.	0	6.5	Workshop Mbh		0	0	0
3030	MS44	CATERPILLAR 140M MOTOGRADER	1/18/2019	Corrective	19.01.2019_MWR_Fit and fabricate wheel chock brackets as per site requirement	0	2	Workshop Mbh		0	36.99	0