



2000 HR LUBE SERVICE

SAMPLE:		INITIAL
Engine		JL
Hydraulic		JL
Final drive oil		JL
Swing drive oil (If applicable)		JL

CHANGE:

Final drive Oil		LS
Engine Oil		JL
Engine Oil Filter		JL
Swing Drive Oil		LS
Hydraulic oil filter (case drain)		JL
Hydraulic oil filter (pilot)		JL
Hydraulic oil filter (return)		JL
Hydraulic oil		JL
Fuel & Water Separator Filter		JL
Primary & Secondary Engine Air Filters		JL
Cab air conditioner / heater filters		JL

CLEAN:

Batteries and terminals		JL
Fuel Cap & Filler Screen		JL
Engine air pre cleaner		JL
Crank Case Breather		JL
Radiator core		JL
Condenser		JL

CHECK:

Swing drive oil level (If applicable)		LS
Coolant level		JL
Drain fuel tank water & sediment		JL
Battery cable		JL
Battery electrolyte level		JL
Fuses		JL
Reset circuit breakers		JL
Bucket linkage		JL
Track adjustment		JL
Undercarriage		JL

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GREASE:		1	2	3	4
	Boom, stick & bucket linkage			✓	✓
	Swing bearing			✓	✓
	Fill auto grease system			✓	✓

2000 HR MECHANICAL SERVICE

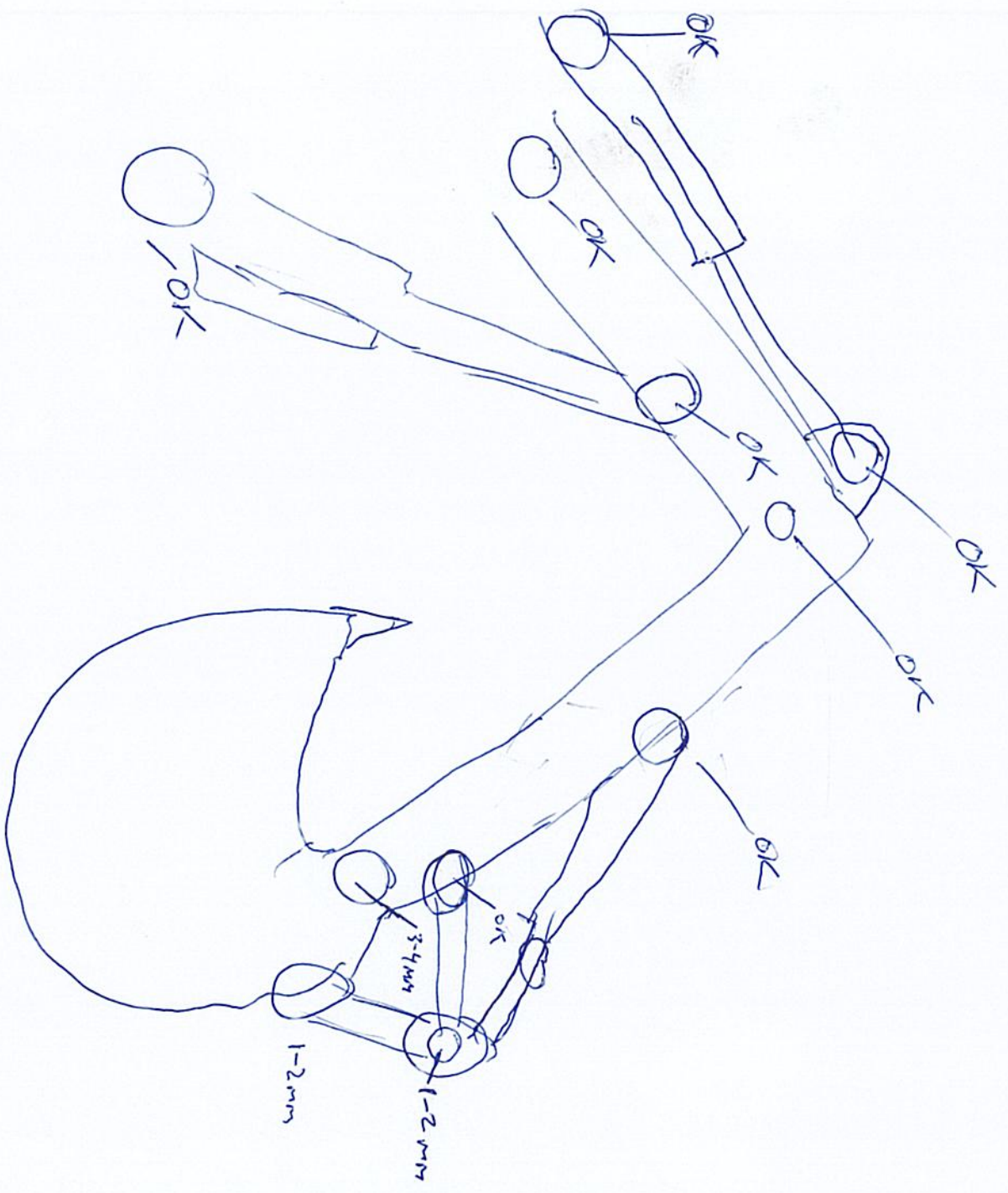
- KEY:**
1. Defect found and repaired
 2. Defect found and recorded, machine still OK
 3. OK
 4. Not applicable

CHECK:	1	2	3	4
Condition and tension of belts			✓	✓
Air conditioner – condition and operation			✓	✓
Operation of hydraulic controls			✓	✓
Frame and attachments for cracks			✓	✓
Fuel system for loose bolts and fittings			✓	✓
Fuel line supply support clamps			✓	✓
Hydraulic system for damaged lines and loose fittings			✓	✓
All hoses for general condition and chaffing			✓	✓
Cooling system hoses for condition and clamps for tightness			✓	✓
Induction system for leaks and clamps for tightness			✓	✓
Engine mounts			✓	✓
Exhaust system for leaks, clamps and bolts for tightness			✓	✓
Radiator for debris (wash if necessary)			✓	✓
All points are receiving grease			✓	✓
Operation of park brake / Implement lock			✓	✓
Fan hub and pulley bearings for excessive movement			✓	✓
Seat belt – retainers and operation			✓	✓
Horns – air/electric			✓	✓
Wipers			✓	✓
Mirrors			✓	✓
Seats – suspension adjustment/condition			✓	✓
Doors			✓	✓

ND OFF SIDE MIRROR

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Accident Prevention
 Read and understand safety warning in the operation and maintenance manual
 Have you completed a take 2?
 Have your job circumstances change since completing your take 2?

Excavator 250 Hour Service Sheet

Date:	17/4/25	Name:	JAMIE LUKE		
Plant ID:	EX39	Service Type:	250 Hour	Machine Hours:	8250
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				


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250 HR LUBE SERVICE		INITIAL
SAMPLE:	Engine	JC
	Hydraulic	JC
CHANGE:		
	Final drive Oil	JC
	Engine Oil	JC
	Engine Oil Filter	JC
	Fuel & Water Separator Filter	JC
	Primary & Secondary Engine Air Filters	JC
	Cab air conditioner / heater filters	JC
CLEAN:		
	Batteries and terminals	JC
	Fuel Cap & Filler Screen	JC
	Engine air pre cleaner	JC
	Crank Case Breather	JC
	Radiator core	JC
	Condenser	JC
CHECK:		
	Hydraulic system oil level	JC
	Swing drive oil level (If applicable)	JC
	Coolant level	JC
	Drain fuel tank water & sediment	JC
	Battery cable	JC
	Battery electrolyte level	JC
	Fuses	JC
	Reset circuit breakers	JC
	Bucket linkage	JC
	Track adjustment	JC
	Undercarriage	JC
GREASE:		
	Boom, stick & bucket linkage	JC
	Swing bearing	JC
	Fill auto grease system	JC

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250 HR MECHANICAL SERVICE				
KEY:				
1. Defect found and repaired				
2. Defect found and recorded, machine still OK				
3. OK				
4. Not applicable				
CHECK:	1	2	3	4
Condition and tension of belts			/	/
Air conditioner – condition and operation			/	/
Operation of hydraulic controls			/	/
Frame and attachments for cracks			/	/
Fuel system for loose bolts and fittings			/	/
Fuel line supply support clamps			/	/
Hydraulic system for damaged lines and loose fittings			/	/
All hoses for general condition and chaffing			/	/
Cooling system hoses for condition and clamps for tightness			/	/
Induction system for leaks and clamps for tightness			/	/
Engine mounts			/	/
Exhaust system for leaks, clamps and bolts for tightness			/	/
Radiator for debris (wash if necessary)			/	/
All points are receiving grease			/	/
Operation of park brake / Implement lock			/	/
Fan hub and pulley bearings for excessive movement			/	/
Seat belt – retainers and operation			/	/
Horns – air/electric			/	/
Wipers			/	/
Mirrors			/	/
Seats – suspension adjustment/condition			/	/
Doors			/	/
Windows			/	/
Gauges			/	/
Grab rails			/	/
Fire extinguishers – invert and shake to loosen powder			/	/
Fire suppression bottle charge			/	/

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 GARRAWAY GROUP	Integrated Management System	Quality Form	Document No.MAF0030	Excavator 250 Hour Service Sheet	Page 5 of 5
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Prepared By: Troy Slorach Date: 31/08/2020 Approved By: Troy Slorach Date: 31/08/2020
Rev. No: 2 Date Implemented: 31/08/2020

Accident Prevention
 Read and understand safety warning in the operation and maintenance manual
 Have you completed a take 2?
 Have your job circumstances change since completing your take 2?

Excavator 500 Hour Service Sheet

Date:	14/7/25	Name:	JAMIE / CAM		
Plant ID:	EX39	Service Type:	500 Hour	Machine Hours:	8556
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				

500 HR LUBE SERVICE		INITIAL
SAMPLE:	Engine	

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	Hydraulic	CS
	Final drive oil	CS
	Swing drive oil (If applicable)	CS
CHANGE:		
	Final drive Oil	JK
	Engine Oil	JK
	Engine Oil Filter	JK
	Fuel & Water Separator Filter	JK
	Primary & Secondary Engine Air Filters	CS
	Cab air conditioner / heater filters	CS
CLEAN:		
	Batteries and terminals	JK
	Fuel Cap & Filler Screen	JK
	Engine air pre cleaner	CS
	Crank Case Breather	N/S
	Radiator core	JK
	Condenser	JK
CHECK:		
	Hydraulic system oil level	JK
	Swing drive oil level (If applicable)	CS
	Coolant level	JK
	Drain fuel tank water & sediment	JK
	Battery cable	JK
	Battery electrolyte level	JK
	Fuses	JK
	Reset circuit breakers	JK
	Bucket linkage	JK
	Track adjustment	JK
	Undercarriage	JK
GREASE:		
	Boom, stick & bucket linkage	JK
	Swing bearing	JK
	Fill auto grease system	JK

500 HR MECHANICAL SERVICE

KEY:

1. Defect found and repaired

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2. Defect found and recorded, machine still OK

3. OK

4. Not applicable

CHECK:	1	2	3	4
Condition and tension of belts			✓	✓
Air conditioner – condition and operation			✓	✓
Operation of hydraulic controls			✓	✓
Frame and attachments for cracks			✓	✓
Fuel system for loose bolts and fittings			✓	✓
Fuel line supply support clamps			✓	✓
Hydraulic system for damaged lines and loose fittings			✓	✓
All hoses for general condition and chaffing			✓	✓
Cooling system hoses for condition and clamps for tightness			✓	✓
Induction system for leaks and clamps for tightness			✓	✓
Engine mounts			✓	✓
Exhaust system for leaks, clamps and bolts for tightness			✓	✓
Radiator for debris (wash if necessary)			✓	✓
All points are receiving grease			✓	✓
Operation of park brake / Implement lock			✓	✓
Fan hub and pulley bearings for excessive movement			✓	✓
Seat belt – retainers and operation			✓	✓
Horns – air/electric			✓	✓
Wipers			✓	✓
Mirrors			✓	✓
Seats – suspension adjustment/condition			✓	✓
Doors			✓	✓
Windows			✓	✓
Gauges			✓	✓
Grab rails			✓	✓
Fire extinguishers – invert and shake to loosen powder			✓	✓
CHECK:	1	2	3	4
Fire suppression bottle charge			✓	✓
Lights			✓	✓
Reverse alarm			✓	✓
Cab condition			✓	✓
Audible alarm and warning lights			✓	✓
Operation of emergency stop			✓	✓
Steps			✓	✓

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Prepared By: Troy Slorach

Date: 31/08/2020

Approved By: Troy Slorach

Date: 31/08/2020

Rev No: 2

Date Implemented: 31/08/2020

Date	Work Description	Plant No	Work Type
08/08/22	500hr Service	EX39	LMF - Labour Maintenance Fitter
09/08/22	Remove Top Cover CO Hyd Filter & CO Air Filter	EX39	LMF - Labour Maintenance Fitter
13/09/22	Try to Fit Rock Guard to Window	EX39	LMF - Labour Maintenance Fitter
14/09/22	Replace Pulley	EX39	LMF - Labour Maintenance Fitter
07/10/22	500hr Service	EX39	LMF - Labour Maintenance Fitter
07/10/22	500 hr Service	EX39	LMF - Labour Maintenance Fitter
25/10/22	Removed manifold, EGR stuck, removed order prts	EX39	LMF - Labour Maintenance Fitter
26/10/22	put EGR manifold back forced a burn with laptop	EX39	LMF - Labour Maintenance Fitter
25/11/22	Fix hyd fitt on grab, went to PIRTEC parts fitted	EX39	LMF - Labour Maintenance Fitter
05/12/22	Replace GPS cable	EX39	LMF - Labour Maintenance Fitter
12/01/23	Drain ad blue tank rmv clean sensor	EX39	LMF - Labour Maintenance Fitter
13/01/23	Rplc add blue filter & pump 250HR service	EX39	LMF - Labour Maintenance Fitter
13/01/23	Service 250HR EX47	EX39	LMF - Labour Maintenance Fitter
21/02/23	diagnose leak, rmv hitch cylinder, drop off at HE	EX39	LMF - Labour Maintenance Fitter
24/02/23	install quick hitch cylinder	EX39	LMF - Labour Maintenance Fitter
07/03/23	Fit new quick hitch cylinder	EX39	LMF - Labour Maintenance Fitter
07/03/23	Fit cutting edges to mud bucket	EX39	LMF - Labour Maintenance Fitter
04/04/23	Load up parts, service kits	EX39	LMF - Labour Maintenance Fitter
04/04/23	1000HR Service	EX39	LMF - Labour Maintenance Fitter
22/05/23	250HR service, fill grease, adj tracks, tight hyd	EX39	LMF - Labour Maintenance Fitter
05/06/23	Adj tracks	EX39	LMF - Labour Maintenance Fitter
21/06/23	Check fire supression, needs gas	EX39	LMF - Labour Maintenance Fitter
23/06/23	Charge fire supression	EX39	LMF - Labour Maintenance Fitter
06/07/23	500HR service	EX39	LMF - Labour Maintenance Fitter
06/07/23	Assist with service on ex39	EX39	LWGH - Labour Workshop General Hand
21/07/23	Reset payload counter with et	EX39	LMF - Labour Maintenance Fitter
25/07/23	Rplc q/hitch bolt, adj tracks, grease	EX39	LMF - Labour Maintenance Fitter
09/08/23	pick up parts, fit bucket teeth to	EX39	LMF - Labour Maintenance Fitter
28/08/23	250HR service	EX39	LMF - Labour Maintenance Fitter
19/09/23	Diag AdBlue issue, split main hose, rmv guards, rm	EX39	LMF - Labour Maintenance Fitter
20/09/23	Rplc AdBlue hose, fit guards, Diag AdBlue fault, r	EX39	LMF - Labour Maintenance Fitter
20/09/23	Fit AdBlue hose, diag AdBlue fault, rmv wiring har	EX39	LMF - Labour Maintenance Fitter
27/09/23	Service and dfp repairs	EX39	LMF - Labour Maintenance Fitter
27/09/23	2000HRS Service	EX39	LMF - Labour Maintenance Fitter
28/09/23	Look at Reverse Fault/Finish Service/AD Blue BA	EX39	LMF - Labour Maintenance Fitter
14/12/23	Check Bucket Dplit Sides needs Welding/Plating	EX39	LMF - Labour Maintenance Fitter
17/01/24	Sensor fault fit sensor	EX39	MF - Maintenance Fitter
17/01/24	Service 500hr	EX39	MF - Maintenance Fitter
17/01/24	Service EX39	EX39	LWGH - Labour Workshop General Hand
29/01/24	Swap over hitch fit hoses	EX39	MF - Maintenance Fitter
29/01/24	Change out quick hitch	EX39	MF - Maintenance Fitter
30/01/24	Remove GPS sensor fit to EX39	EX39	MF - Maintenance Fitter
30/01/24	Disassemble hutch	EX39	MF - Maintenance Fitter
30/01/24	reseal hutch, clean hutch ready for machining	EX39	MF - Maintenance Fitter
30/01/24	Disassemble hitch and reseal / assess damage	EX39	MF - Maintenance Fitter
08/02/24	Rebuild tilt hitch	EX39	MF - Maintenance Fitter
08/02/24	rebuild tilt hitch, clean parts, clean treat on sh	EX39	MF - Maintenance Fitter
09/02/24	Rebuilt tilt hutch	EX39	MF - Maintenance Fitter
09/02/24	Help put bhitch back together	EX39	LWGH - Labour Workshop General Hand
12/02/24	Remove old quick hitch, fit rebuilt tilt	EX39	MF - Maintenance Fitter
21/02/24	Diagnose GPS	EX39	MF - Maintenance Fitter
22/02/24	Cheak out GPS issue (wiring boms u/s)	EX39	MF - Maintenance Fitter
26/02/24	250Hr service & repairs	EX39	MF - Maintenance Fitter
28/02/24	GPS cables	EX39	MF - Maintenance Fitter
29/02/24	Remove fire supression bottle grease and check ov	EX39	MF - Maintenance Fitter
29/02/24	Fire supression	EX39	MF - Maintenance Fitter
06/03/24	Repair fire supression platform	EX39	MF - Maintenance Fitter
13/03/24	GPS Harness C/O	EX39	MF - Maintenance Fitter
04/04/24	pick up tracks and parts with tilt tray roll out c	EX39	MF - Maintenance Fitter
05/04/24	strip undercarriage	EX39	MF - Maintenance Fitter
06/04/24	strip undercarriage	EX39	MF - Maintenance Fitter
08/04/24	under carriage change out	EX39	MF - Maintenance Fitter
08/04/24	undercarriage change out	EX39	MF - Maintenance Fitter
08/04/24	c/o undercarrage	EX39	MF - Maintenance Fitter

09/04/24	undercarriage change out	EX39	MF - Maintenance Fitter
09/04/24	undercarriage changeout	EX39	MF - Maintenance Fitter
09/04/24	Assemble tracks	EX39	MF - Maintenance Fitter
09/04/24	Assemble tracks, and prep track frame	EX39	MF - Maintenance Fitter
09/04/24	tracks	EX39	MF - Maintenance Fitter
10/04/24	repair broken guard, weld plates, & braces into pl	EX39	MF - Maintenance Fitter
10/04/24	roll on tracks, wash	EX39	MF - Maintenance Fitter
10/04/24	drain hydraulic oil, c/o, suction hose, auto greas	EX39	MF - Maintenance Fitter
11/04/24	weld brackets and braces on frame	EX39	MF - Maintenance Fitter
11/04/24	fit guards, intake lines	EX39	MF - Maintenance Fitter
11/04/24	finish replacing hoses & fill hydraulic oil	EX39	MF - Maintenance Fitter
12/04/24	grease system install	EX39	MF - Maintenance Fitter
12/04/24	grease system install	EX39	MF - Maintenance Fitter
12/04/24	fill hydraulic system & prime, fit master links,	EX39	MF - Maintenance Fitter
12/04/24	Grease wiring	EX39	MF - Maintenance Fitter
15/04/24	grease system install	EX39	MF - Maintenance Fitter
15/04/24	Fit auto greasers	EX39	MF - Maintenance Fitter
16/04/24	Grease system install	EX39	MF - Maintenance Fitter
16/04/24	grease system install	EX39	MF - Maintenance Fitter
16/04/24	Fit grease system	EX39	MF - Maintenance Fitter
17/04/24	auto greaser install	EX39	MF - Maintenance Fitter
17/04/24	autogrease install and service 1000hrs	EX39	MF - Maintenance Fitter
17/04/24	clean machine, prep for paint	EX39	MF - Maintenance Fitter
17/04/24	grease and install and 1000 service and fire supre	EX39	MF - Maintenance Fitter
17/04/24	paint under carriage	EX39	MF - Maintenance Fitter
18/04/24	Replace return filter, weld handrail, fit bucket	EX39	MF - Maintenance Fitter
19/04/24	Look at machine	EX39	MF - Maintenance Fitter
29/04/24	finish 1000 hr service	EX39	MF - Maintenance Fitter
29/04/24	grease system checks, finish h100hr service	EX39	MF - Maintenance Fitter
01/05/24	GPS fault	EX39	MF - Maintenance Fitter
13/06/24	250hr service & check coolant issue (7264hrs)	EX39	MF - Maintenance Fitter
24/06/24	Make plate to test out cooler, check cooler	EX39	MF - Maintenance Fitter
09/07/24	Repair broken grease lines	EX39	MF - Maintenance Fitter
16/08/24	500hr service	EX39	MF - Maintenance Fitter
11/10/24	Service, inspection at SEJV	EX39	MF - Maintenance Fitter
14/10/24	power station, Jayke	EX39	LWGH - Labour Workshop General Hand
14/10/24	Replace heater tank, replace final drive oil, repl	EX39	MF - Maintenance Fitter
15/11/24	Escort truck out to mine site	EX39	MF - Maintenance Fitter
18/11/24	Reapirs to grease lines, broken bucket, side door	EX39	MF - Maintenance Fitter
09/12/24	replace suction line / replace drain line	EX39	MF - Maintenance Fitter
09/12/24	drain eng oil, replace tap, refill	EX39	MF - Maintenance Fitter
09/12/24	fit camera	EX39	MF - Maintenance Fitter
09/12/24	replace hydraulic cooler hose	EX39	MF - Maintenance Fitter
10/12/24	Fix hydraulic, fill grease pod	EX39	MF - Maintenance Fitter
14/01/25	Low AC fan flow/ blow out filters	EX39	MF - Maintenance Fitter
16/01/25	Repair fan & repair ducting	EX39	MF - Maintenance Fitter
19/02/25	2000 Hour Service	EX39	MF - Maintenance Fitter
19/02/25	2000 Hour service	EX39	MF - Maintenance Fitter
19/02/25	2000 Hour Service	EX39	MF - Maintenance Fitter
19/02/25	2000 Hour Service	EX39	MF - Maintenance Fitter
10/03/25	GPS wiring fault	EX39	MF - Maintenance Fitter
10/03/25	tilt sensor fault - daignose	EX39	MF - Maintenance Fitter
13/03/25	replace tilt sensor cable	EX39	MF - Maintenance Fitter
13/03/25	GPS tilt harness replace	EX39	MF - Maintenance Fitter
18/03/25	Machine had blown hose, move machine, order parts	EX39	MF - Maintenance Fitter
17/04/25	250 Hour Service	EX39	MF - Maintenance Fitter
19/05/25	FSS Fault	EX39	MF - Maintenance Fitter
19/06/25	GPS repairs	EX39	MF - Maintenance Fitter
23/06/25	GPS Fault	EX39	MF - Maintenance Fitter
23/06/25	GPS fault	EX39	MF - Maintenance Fitter
14/07/25	500 Hour Service	EX39	MF - Maintenance Fitter
14/07/25	run new gps cable / fit new lights	EX39	MF - Maintenance Fitter
14/07/25	500 hour service	EX39	MF - Maintenance Fitter
24/07/25	GNSS issue	EX39	MF - Maintenance Fitter
24/07/25	GPS fault	EX39	MF - Maintenance Fitter

25/07/25	test & order new cables	EX39	MF - Maintenance Fitter
25/07/25	Testing GPS cable	EX39	MF - Maintenance Fitter
11/08/25	GPS repairs	EX39	MF - Maintenance Fitter
12/08/25	FIT GRS CABLE	EX39	MF - Maintenance Fitter
13/08/25	fitted RHS GPS cable fitted all guards	EX39	MF - Maintenance Fitter
15/08/25	GPS fault	EX39	MF - Maintenance Fitter
19/08/25	air restriction fault	EX39	MF - Maintenance Fitter
01/09/25	GPS issue	EX39	MF - Maintenance Fitter
05/09/25	250 hour service & GPS repair	EX39	MF - Maintenance Fitter
05/09/25	250 hour service & joysticks	EX39	MF - Maintenance Fitter
05/09/25	250 hour service	EX39	MF - Maintenance Fitter
08/09/25	GPS repairs	EX39	MF - Maintenance Fitter
09/09/25	GPS fault	EX39	MF - Maintenance Fitter
10/09/25	GPS repairs	EX39	MF - Maintenance Fitter
25/09/25	repair tilt hitch	EX39	MF - Maintenance Fitter
16/10/25	air filter restriction fault add blue leak	EX39	MF - Maintenance Fitter
28/10/25	1000 hour service & defect repairs	EX39	MF - Maintenance Fitter
28/10/25	1000 hour service & defects	EX39	MF - Maintenance Fitter
28/10/25	defect repairs	EX39	MF - Maintenance Fitter
06/11/25	window & oil leak	EX39	MF - Maintenance Fitter
10/11/25	belt (drive) exhaust	EX39	MF - Maintenance Fitter
	GP1200 Bucket replace / router outer teeth & routers		
	EX39 - Fire Extinguisher needs servicing		
	EX39 - Tilt sensor on back not working		
	EX39 - Replace fan belt		
	EX39 - Fit new air filter restriction switch		
	EX39 - Fire Suppression Fault - Electrical?		
	EX39 - Hydraulic Filter has slow leak		
	EX39 - ripped hydraulic lines and gps cable		
	EX 39 Emission Fault		
	EX39 - FAULTY GREASE LINE OF WEAR BUCKETS		
	EX39 - MISSING TOOTH ON SIEVE BUCKET		
	EX39 - Engine fault code E1319-2 and Emission fault E1389-1		
	EX39 CAT 323 Excavator - Service Schedule Step 250 (103)		
	EX39 - Exhaust manifold gasket needs replacing		
	EX39 - Fops damaged , guards damaged , front window guard damaged		
	EX39 - Front widow seals need replacing		
	EX39 - Need new front wiper blade		
	EX39 missing bucket tooth		
	EX39 - Found tilt sensor wire out of socket ,broken striped		
	EX39 - Large dent, fount on underside of mud bucket		
	EX-39 Hydraulic fittings/hoses on grab are worn and leaking		
	EX39 CAT 323 Excavator - Service Schedule Step 500 (337)		
	EX39 - NOX sensor failure		
	EX39 - BLOWN HYDRAULIC HOSE		
	EX39 - EMISSION FAULT		
	EX39 E-Fan& Reverse fan Faul		
	EX39 - e fan failure		
	EX39 - EMISSION FAULT		



SPECIALISED
CONSTRUCTION
EQUIPMENT

POWERTILT / MULTI COUPLER

WARNING - READ OPERATORS MANUAL

CARRIER .CAT.....	MODEL ..323.....
S/N 5809-1.....	MAN. DATE ..06/05/18.....
LIFTING EYE: 8000kg.....	WEIGHT ..660kg.....

Designed to meet following specs:-

PIN CENTRES Min ..405..... Max ..480.....

PIN DIA. ..80mm.....

For buckets and attachments used*on this COUPLER

Ph. +61 7 3803 9400