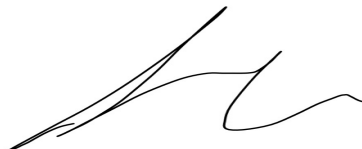


Fleet Service Job

Job No:	FM47118	Date Completed:	22/03/2022
Company Name:	COWAN AND SONS EQUIPMENT REPAIRS AND HIRE	Contact:	Nevano
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	750 Hour Service Ray -0482433234
Notes:	To site Inspect and check over machine Added 20ltr hyd Greased machine		

Signed By: Leigh

Signature:



Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156
Machine Hours:	1317		
Notes:	1250 has inspection/service check over machine and grease added 15ltrs hyd oil took a lot of grease couldn't really inspect track gear and rollers as too much mud		

Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass
Water pump pulley bearings		Pass
Drive belts		Pass
Overall engine condition		Pass
Throttle operation		Pass
Air pre-cleaner		Pass
Damper case oil		N/A
Track sprocket		Pass
Final drive oil levels		Pass
Track rollers		Pass

Signed By: Leigh

Signature:



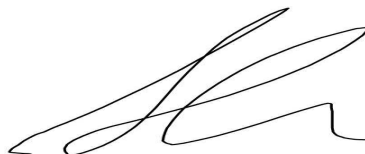
Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156

Track idlers	Pass
Track tensioners	Pass
Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass
Beacons	Pass
Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	N/A
Battery and starter isolators	Pass
Horn	Pass
Travel alarm	Pass
Rear camera	Pass

Signed By: Leigh

Signature:



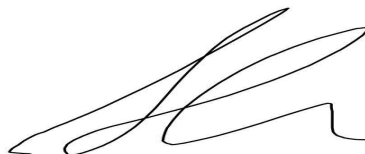
Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156

Interior light	Pass
Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	Pass
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass
Wiring	Pass
Hydraulic oil level	Pass
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	Pass
Pins and bushes	Pass
Control levers	Pass
Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	N/A

Signed By: Leigh

Signature:



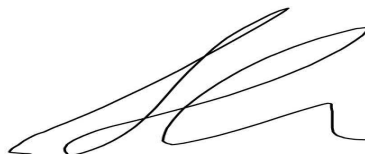
Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156

Bucket	Pass
Bucket G.E.T	Pass
Blade	Pass
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass
Floor mat	Pass
Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass
Air conditioning filters	Pass
Operators manual	Pass
Risk assessment	Pass
First aid kit and eye wash	Pass
Door locks	Pass
Panels	Pass

Signed By: Leigh

Signature:



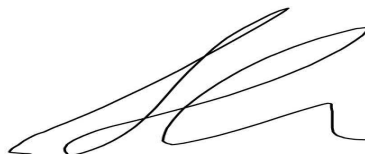
Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156

Handrails	Pass
Stickers	Pass
Ladders and steps	Pass
Engine cover	Pass
Belly plates	Pass
Auto grease	N/A
Grease lines and blocks	Pass
Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	N/A
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	N/A
Engine oil filter change	N/A
Engine oil change	N/A
Fuel water separator change	N/A
Primary fuel filter change	N/A
Secondary fuel filter change	N/A
Engine mounts	Pass
Air filters	Pass

Signed By: Leigh

Signature:

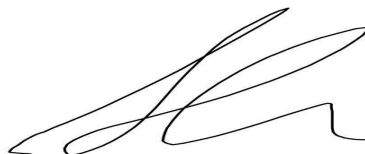


Fleet Service Job

Cert No:	FM55517	Date Completed:	19/09/2022
Company Name:	SHAMROCK CIVIL	Contact:	Cameron Craig
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	Leigh E	Work Completed:	1250 Hour Service - BOOKED FOR MON 19/9 - CAMERON 0447 928 156
Reset computer service			N/A
Final drive oil samples			N/A
Swing case oil sample			N/A
Hydraulic oil sample			N/A
Hyrdaulic oil breather clean			Pass

Signed By: Leigh

Signature:



Fleet Service Job

Cert No: FM60551**Company Name:** DI MARTINO EARTHWORKS**Fleet No:** M302**Engineer:** R AND D**Machine Hours:** 1573**Date Completed:****Meter Reading:****Contact:** Rocco**Serial No:** HCMDDA20K00040642**Work Completed:** 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass
Water pump pulley bearings		Pass
Drive belts		Pass
Overall engine condition		Pass
Throttle operation		Pass
Air pre-cleaner		Pass
Damper case oil		Pass
Track sprocket		Pass
Final drive oil levels		Pass
Track rollers		Pass
Track idlers		Pass
Track tensioners		Pass

Signed By:**Signature:**

Fleet Service Job

Cert No: FM60551
Company Name: DI MARTINO EARTHWORKS
Fleet No: M302
Engineer: R AND D

Date Completed:

Meter Reading:

Contact: Rocco

Serial No: HCMDDA20K00040642

Work Completed: 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass
Beacons	Pass
Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	Pass
Battery and starter isolators	Pass
Horn	Pass
Travel alarm	Pass
Rear camera	Pass
Interior light	Pass

Signed By:

Signature:

Fleet Service Job

Cert No: FM60551**Company Name:** DI MARTINO EARTHWORKS**Fleet No:** M302**Engineer:** R AND D**Date Completed:****Meter Reading:****Contact:** Rocco**Serial No:** HCMDDA20K00040642**Work Completed:** 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	Pass
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass
Wiring	Pass
Hydraulic oil level	Pass
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	Pass
Pins and bushes	Pass
Control levers	Pass
Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	Pass

Signed By:**Signature:**

Fleet Service Job

Cert No: FM60551
Company Name: DI MARTINO EARTHWORKS
Fleet No: M302
Engineer: R AND D

Date Completed:**Meter Reading:**

Contact: Rocco
Serial No: HCMDDA20K00040642
Work Completed: 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Bucket	Pass
Bucket G.E.T	Pass
Blade	Pass
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass
Floor mat	Pass
Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass
Air conditioning filters	Pass
Operators manual	Pass
Risk assessment	Pass
First aid kit and eye wash	Pass
Door locks	Pass

Signed By:**Signature:**

Fleet Service Job

Cert No: FM60551**Company Name:** DI MARTINO EARTHWORKS**Fleet No:** M302**Engineer:** R AND D**Date Completed:****Meter Reading:****Contact:** Rocco**Serial No:** HCMDDA20K00040642**Work Completed:** 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Panels	Pass
Handrails	Pass
Stickers	Pass
Ladders and steps	Pass
Engine cover	Pass
Belly plates	Pass
Auto grease	Pass
Grease lines and blocks	Pass
Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	Pass
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	Pass
Engine oil filter change	Pass
Engine oil change	Pass
Fuel water separator change	N/A
Primary fuel filter change	N/A
Secondary fuel filter change	N/A

Signed By:**Signature:**

Fleet Service Job

Cert No: FM60551**Company Name:** DI MARTINO EARTHWORKS**Fleet No:** M302**Engineer:** R AND D**Date Completed:****Meter Reading:****Contact:** Rocco**Serial No:** HCMDDA20K00040642**Work Completed:** 1500 Hour Service - FILTER KIT
LABELLED ON SHELF - BOOKED FOR
TUE 13/12 - ROCCO 0401 295 841

Engine mounts	Pass
Air filters	Pass
Reset computer service	Pass
Final drive oil samples	Pass
Swing case oil sample	Pass
Hydraulic oil sample	Pass
Hydraulic oil breather clean	N/A

Parts Used

Part No	Description	Qty
YA00058283	ENGINE OIL FILTER	1
OIL SAMPLE HITACHI	SCHEDUAL OIL SAMPLE	6
15W/40 DHD	DIESEL FLEET DHD 15W/40 CI-4	29
L-LXBLUE2 450	LUBEX BLUE EP2 GREASE (450G)	2
L-LXBLUE2 450	LUBEX BLUE EP2 GREASE (450G)	3

Signed By:**Signature:**

Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026
Machine Hours:	1842		
Notes:	Complaints: 250 service Cause: Hour accumulation Correction: Complete service as required Topped up fluids and blew out filters and cooling packs Notes: front windscreen cracked, will require replacement		

Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass
Water pump pulley bearings		Pass
Drive belts		Pass
Overall engine condition		Pass
Throttle operation		Pass
Air pre-cleaner		Pass
Damper case oil		Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026

Track sprocket	Pass
Final drive oil levels	Pass
Track rollers	Pass
Track idlers	Pass
Track tensioners	Pass
Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass
Beacons	Pass
Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	N/A

Signed By: Danny

Signature:



Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026

Battery and starter isolators	Pass
Horn	Pass
Travel alarm	Pass
Rear camera	Pass
Interior light	Pass
Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	N/A
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass
Wiring	Pass
Hydraulic oil level	Pass
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026

Pins and bushes	Pass
Control levers	Pass
Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	Pass
Bucket	Pass
Bucket G.E.T	Pass
Blade	Pass
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass
Floor mat	Pass
Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026

Air conditioning filters	Pass
Operators manual	Pass
Risk assessment	Pass
First aid kit and eye wash	Pass
Door locks	Pass
Panels	Pass
Handrails	Pass
Stickers	Pass
Ladders and steps	Pass
Engine cover	Pass
Belly plates	Pass
Auto grease	N/A
Grease lines and blocks	Pass
Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	Pass
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	N/A

Signed By: Danny

Signature:



Fleet Service Job

Cert No:	FM65116	Date Completed:	21/03/2023
Company Name:	GRAMPIANS EXCAVATIONS PTY LTD	Contact:	Jesse Duval
Fleet No:	M302	Serial No:	HCMDDA20K00040642
Engineer:	R AND D	Work Completed:	1750 Hour Service - BOOKED FOR MON 20/3 - BEN 0409 765 026

Engine oil filter change	N/A
Engine oil change	N/A
Fuel water separator change	N/A
Primary fuel filter change	N/A
Secondary fuel filter change	N/A
Engine mounts	Pass
Air filters	Pass
Reset computer service	Pass
Final drive oil samples	N/A
Swing case oil sample	N/A
Hydraulic oil sample	N/A
Hydraulic oil breather clean	Pass

Parts Used

Part No	Description	Qty
FOCUS SERVICE DECA	FOCUS SERVICE DECAL 90X60	1
80W90	80W90 GEAR OIL	1
46W-1	HYDRAULIC OIL	1
15W/40 DHD	DIESEL FLEET DHD 15W/40 CI-4	1
TRAVEL ZONE 3	TRAVEL ZONE 3	1

Signed By: Danny

Signature:



Fleet Service Job

Cert No: FM66436**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** R AND D**Date Completed:** 5/05/2023**Meter Reading:** 2,156**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Notes: Complaint:
2000 hour service
Cause:
Hours accumulate
Corrections:
Complete service as required
Blew out coolers
Topped up fluids as needed

Checked all functions

Notes:
Windscreen smashed
UHF missing from cabin

Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass
Water pump pulley bearings		Pass
Drive belts		Pass

Signed By: Danny**Signature:**

Fleet Service Job

Cert No: FM66436**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** R AND D**Date Completed:** 5/05/2023**Meter Reading:** 2,156**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Overall engine condition	Pass
Throttle operation	Pass
Air pre-cleaner	Pass
Damper case oil	N/A
Track sprocket	Pass
Final drive oil levels	Pass
Track rollers	Pass
Track idlers	Pass
Track tensioners	Pass
Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass
Beacons	Pass

Signed By: Danny**Signature:**

Fleet Service Job

Cert No: FM66436
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: R AND D

Date Completed: 5/05/2023
Meter Reading: 2,156
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	N/A
Battery and starter isolators	Pass
Horn	Pass
Travel alarm	Pass
Rear camera	Pass
Interior light	Pass
Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	N/A
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No: FM66436
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: R AND D

Date Completed: 5/05/2023
Meter Reading: 2,156
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Wiring	Pass
Hydraulic oil level	Pass
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	N/A
Pins and bushes	Pass
Control levers	Pass
Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	Pass
Bucket	Pass
Bucket G.E.T	Pass
Blade	Pass
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No: FM66436**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** R AND D**Date Completed:** 5/05/2023**Meter Reading:** 2,156**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Floor mat	Pass
Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass
Air conditioning filters	Pass
Operators manual	Pass
Risk assessment	Pass
First aid kit and eye wash	Pass
Door locks	Pass
Panels	Pass
Handrails	Pass
Stickers	Pass
Ladders and steps	Pass
Engine cover	Pass
Belly plates	Pass

Signed By: Danny**Signature:**

Fleet Service Job

Cert No: FM66436
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: R AND D

Date Completed: 5/05/2023
Meter Reading: 2,156
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Auto grease	N/A
Grease lines and blocks	Pass
Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	Pass
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	Pass
Engine oil filter change	Pass
Engine oil change	Pass
Fuel water seperator change	Pass
Primary fuel filter change	Pass
Secondary fuel filter change	Pass
Engine mounts	Pass
Air filters	Pass
Reset computer service	Pass
Final drive oil samples	Pass
Swing case oil sample	Pass

Signed By: Danny

Signature:



Fleet Service Job

Cert No: FM66436
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: R AND D

Date Completed: 5/05/2023
Meter Reading: 2,156
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

Hydraulic oil sample	Pass
Hydraulic oil breather clean	Pass
Coolant filter change	N/A
Swing case oil change	N/A
Final drive oil change	Pass
Damper case oil change	N/A
Hydraulic return oil filter change	Pass
Hydraulic oil filter change	Pass
Pilot oil filter change	Pass
Hydraulic attachment filter	Pass

Parts Used

Part No	Description	Qty
STICK-SERVICE	FOCUS SERVICE DECAL 90X60	1
80W90	80W90 GEAR OIL	1
15W/40 DHD	DIESEL FLEET DHD 15W/40 CI-4	1
46W-1	HYDRAULIC OIL	1
CA40657	AIR FILTER, OUTER	1
CA40656	AIR FILTER, INNER	1

Signed By: Danny

Signature:



Fleet Service Job

Cert No: FM66436**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** R AND D**Date Completed:** 5/05/2023**Meter Reading:** 2,156**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2000 Hour Service - KIT LABELLED -
BOOKED FOR WED 3/5 - BEN 0459 187
542

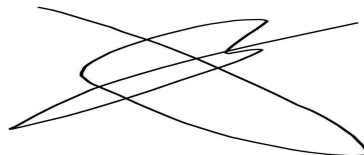
CB70282	V-BELT	1
CB70367	BELT, FAN MULTI-RIBBED	1
FA71330	HYDRAULIC, BREATHER	1
CH50168	BREATHER FILTER, TRANSMISSION	1
CA40668	CABIN AIR FILTER	1
CA40161	CABIN AIR FILTER	1
YA00010116RM	DPF FILTER	1
CO52156	ENGINE OIL FILTER	1
CF30023	FUEL FILTER	1
CF30310	FUEL FILTER	1
EF2702	FUEL FILTER	1
CF30030	FUEL FILTER STRAINER	1
8973313591	ROCKER COVER GASKET	1
HC2709	HYDRAULIC FILTER	1
CH50197	HYDRAULIC FILTER	1
CS60262	HITACHI OIL SAMPLE KIT	6
CR80307	GASKET SET	1
TRAVEL ZONE 3	TRAVEL ZONE 3	1
L-LXBLUE2 450	LUBEX BLUE EP2 GREASE (450G)	4

Signed By: Danny**Signature:**

Fleet Service Job

Cert No: FM68732**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** Josh**Notes:** service complete.1 belly plate missing.
cutting edge cleaned and got new bolts.
windscreen glass broken.**Date Completed:** 20/06/2023**Meter Reading:** 2,357**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2250 Hour Service - KIT LABELLED

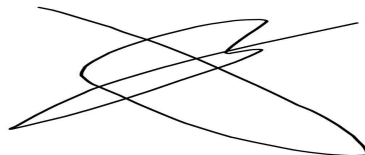
Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass
Water pump pulley bearings		Pass
Drive belts		Pass
Overall engine condition		Pass
Throttle operation		Pass
Air pre-cleaner		Pass
Damper case oil		Pass
Track sprocket		Pass
Final drive oil levels		Pass

Signed By: Josh s**Signature:**

Fleet Service Job

Cert No: FM68732**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** Josh**Date Completed:** 20/06/2023**Meter Reading:** 2,357**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2250 Hour Service - KIT LABELLED

Track rollers	Pass
Track idlers	Pass
Track tensioners	Pass
Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass
Beacons	Pass
Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	Pass
Battery and starter isolators	Pass
Horn	Pass

Signed By: Josh s**Signature:**

Fleet Service Job

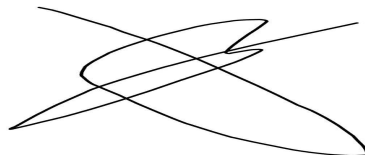
Cert No: FM68732
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: Josh

Date Completed: 20/06/2023
Meter Reading: 2,357
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2250 Hour Service - KIT LABELLED

Travel alarm	Pass
Rear camera	Pass
Interior light	Pass
Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	N/A
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass
Wiring	Pass
Hydraulic oil level	N/A
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	Pass
Pins and bushes	Pass
Control levers	Pass

Signed By: Josh s

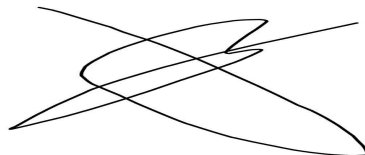
Signature:



Fleet Service Job

Cert No: FM68732**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** Josh**Date Completed:** 20/06/2023**Meter Reading:** 2,357**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2250 Hour Service - KIT LABELLED

Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	Pass
Bucket	Pass
Bucket G.E.T	N/A
Blade	N/A
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass
Floor mat	Pass
Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass
Air conditioning filters	Pass
Operators manual	Pass

Signed By: Josh s**Signature:**

Fleet Service Job

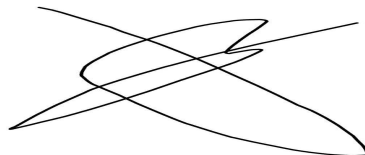
Cert No: FM68732
Company Name: GRAMPIANS EXCAVATIONS
PTY LTD
Fleet No: M302
Engineer: Josh

Date Completed: 20/06/2023
Meter Reading: 2,357
Contact: Jesse Duval
Serial No: HCMDDA20K00040642
Work Completed: 2250 Hour Service - KIT LABELLED

Risk assessment	Pass
First aid kit and eye wash	N/A
Door locks	Pass
Panels	Pass
Handrails	Pass
Stickers	N/A
Ladders and steps	Pass
Engine cover	N/A
Belly plates	Pass
Auto grease	N/A
Grease lines and blocks	Pass
Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	N/A
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	N/A
Engine oil filter change	Pass
Engine oil change	Pass

Signed By: Josh s

Signature:



Fleet Service Job

Cert No: FM68732**Company Name:** GRAMPIANS EXCAVATIONS
PTY LTD**Fleet No:** M302**Engineer:** Josh

Fuel water separator change

Primary fuel filter change

Secondary fuel filter change

Engine mounts

Air filters

Reset computer service

Final drive oil samples

Swing case oil sample

Hydraulic oil sample

Hydraulic oil breather clean

Date Completed: 20/06/2023**Meter Reading:** 2,357**Contact:** Jesse Duval**Serial No:** HCMDDA20K00040642**Work Completed:** 2250 Hour Service - KIT LABELLED

Pass

Pass

Pass

Pass

Pass

Pass

N/A

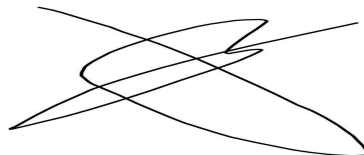
N/A

N/A

Pass

Parts Used

Part No	Description	Qty
STICK-SERVICE	FOCUS SERVICE DECAL 90X60	1
46W-1	HYDRAULIC OIL	1
80W90	80W90 GEAR OIL	1
15W/40 DHD	DIESEL FLEET DHD 15W/40 CI-4	1
M302 - 250HR KIT	M302 - 250HR KIT	1

Signed By: Josh s**Signature:**

Fleet Service Job

Cert No: FM72827**Company Name:** AAH CONTRACTING**Fleet No:** M302-FGN**Engineer:** New**Date Completed:** 30/08/2023**Meter Reading:** 2,495**Contact:** Wayne**Serial No:** HCMDDA20K00040642**Work Completed:** 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Notes: travel to site for m302

carry out 250hr service and take oil sample

full inspection and grease

adjust tracks

adjust fan belts

replace drive oils

found crack in dipper around where its pinned into hitch will need to be repaired urgently**

*****risk assessment is out of date*****

Test	Value	Result
Engine oil		Pass
Coolant level		Pass
Cooling system pressure		Pass
Intake hoses inspect		Pass
Air filters		Pass
Exhaust system		Pass

Signed By: liam croft**Signature:**

Fleet Service Job

Cert No: FM72827
Company Name: AAH CONTRACTING
Fleet No: M302-FGN
Engineer: New

Date Completed: 30/08/2023
Meter Reading: 2,495
Contact: Wayne
Serial No: HCMDDA20K00040642
Work Completed: 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Water pump pulley bearings	Pass
Drive belts	Pass
Overall engine condition	Pass
Throttle operation	Pass
Air pre-cleaner	Pass
Damper case oil	Pass
Track sprocket	Pass
Final drive oil levels	Pass
Track rollers	Pass
Track idlers	Pass
Track tensioners	Pass
Track plates	Pass
Track chains and pins	Pass
Drive motor hoses	Pass
Drive motor cover plates	Pass
Under carriage belly plates	Pass
Track adjustment	Pass
Overall condition	Pass
Work lights	Pass

Signed By: liam croft

Signature:



Fleet Service Job

Cert No: FM72827
Company Name: AAH CONTRACTING
Fleet No: M302-FGN
Engineer: New

Date Completed: 30/08/2023
Meter Reading: 2,495
Contact: Wayne
Serial No: HCMDDA20K00040642
Work Completed: 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Beacons	Pass
Aerials	Pass
Battery terminals	Pass
Battery clamps	Pass
Battery fluid	Pass
Jump start receptacle	N/A
Battery and starter isolators	Pass
Horn	Pass
Travel alarm	Pass
Rear camera	Pass
Interior light	Pass
Windscreen wipers	Pass
Windscreen washer and fluid	Pass
Instrument cluster	Pass
UHF radio	Pass
Topcon GPS setup	N/A
AM/FM radio	Pass
Air conditioner fans	Pass
Emergency stops	Pass

Signed By: liam croft

Signature:



Fleet Service Job

Cert No: FM72827
Company Name: AAH CONTRACTING
Fleet No: M302-FGN
Engineer: New

Date Completed: 30/08/2023
Meter Reading: 2,495
Contact: Wayne
Serial No: HCMDDA20K00040642
Work Completed: 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Wiring	Pass
Hydraulic oil level	Pass
Hydraulic oil breather	Pass
Swing case oil level	Pass
Rams	Pass
Hoses	Pass
Pins and bushes	Fail
Control levers	Pass
Pilot control circuit functionality	Pass
Quick hitch functionality	Pass
Hydraulic attachment operation	N/A
Bucket	Pass
Bucket G.E.T	N/A
Blade	N/A
Quick hitch	Pass
H Link	Pass
Door and hold open latch	Pass
Windows	Pass
Floor mat	Pass

Signed By: liam croft

Signature:



Fleet Service Job

Cert No: FM72827
Company Name: AAH CONTRACTING
Fleet No: M302-FGN
Engineer: New

Date Completed: 30/08/2023
Meter Reading: 2,495
Contact: Wayne
Serial No: HCMDDA20K00040642
Work Completed: 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Seat condition	Pass
Seat belt	Pass
Arm rests	Pass
Seat function	Pass
Air conditioning operation	Pass
Air conditioning louvers	Pass
Air conditioning filters	Pass
Operators manual	Pass
Risk assessment	Fail
First aid kit and eye wash	Pass
Door locks	Pass
Panels	Pass
Handrails	Pass
Stickers	Pass
Ladders and steps	Pass
Engine cover	Pass
Belly plates	Pass
Auto grease	N/A
Grease lines and blocks	Pass

Signed By: liam croft

Signature:



Fleet Service Job

Cert No: FM72827
Company Name: AAH CONTRACTING
Fleet No: M302-FGN
Engineer: New

Date Completed: 30/08/2023
Meter Reading: 2,495
Contact: Wayne
Serial No: HCMDDA20K00040642
Work Completed: 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Grease swing circle pinion	Pass
Grease machine	Pass
Grease attachments	N/A
Fire extinguisher	Pass
Fuel level	Pass
Engine oil sample	Pass
Engine oil filter change	Pass
Engine oil change	Pass
Fuel water separator change	N/A
Primary fuel filter change	N/A
Secondary fuel filter change	N/A
Engine mounts	Pass
Air filters	Pass
Reset computer service	N/A
Final drive oil samples	N/A
Swing case oil sample	N/A
Hydraulic oil sample	N/A
Hydraulic oil breather clean	N/A

Signed By: liam croft

Signature:



Fleet Service Job

Cert No: FM72827**Company Name:** AAH CONTRACTING**Fleet No:** M302-FGN**Engineer:** New**Date Completed:** 30/08/2023**Meter Reading:** 2,495**Contact:** Wayne**Serial No:** HCMDDA20K00040642**Work Completed:** 2500 Hour Service - KIT LABELLED -
BOOKED FOR THURS 24/8 ***AFTER
1:30PM*** - JOHN 0411 896 346

Parts Used

Part No	Description	Qty
YA00058283	ENGINE OIL FILTER	1
OIL SAMPLE HITACHI	SCHEDUAL OIL SAMPLE	1
15W/40 DHD	DIESEL FLEET DHD 15W/40 CI-4	29
46W-1	HYDRAULIC OIL	1
80W90	80W90 GEAR OIL	1

Signed By: liam croft**Signature:**

Plant Risk Assessment



Inspector:	Jim Ranten
Client Name:	Charles Nipper
Client:	Focus Machinery
Address:	7-9 Kearney Street
Suburb:	Bayswater VIC
Plant Type:	Excavator
Make:	Hitachi ZX290LC-5B
Serial Number:	HCMDDA20K00040642
Hour Meter:	1347
Modified From Original Condition?:	No
Plant Number:	M302
License Required:	Yes
dB Rating operating cabin:	
Travel Height: 5500mm	

Preface

This Hazard/Risk assessment report has been prepared as requested of the client in fulfilment of duty of care to provide a safe and functional piece of mobile plant. This only has a validity of twelve (12) months from the date of the report.

Compliance: Compliance has been determined using the below where deemed appropriate:

- Worksafe Compliance Code – Plant
- OH&S Regulations 2017
- OHS Act 2004

The report is based on the visual observations of the inspector on the day of inspection and did not include observation of equipment in operation. While the inspector takes reasonable care to be thorough, under the conditions of this inspection it is not possible to ensure that every hazard has been observed or reported. Since vandalism, disassembly, normal wear and tear and operational use are ongoing risks to safety. The operator must carry out Job Safety Analysis, Pre-Start Checks, and adhere to the operator's manual as outlined in the manufacturer's documentation.

The relative urgency of rectification is indicated by the score as detailed in the Analysis Matrix table. Please do not hesitate to contact JR Safety and Compliance Pty Ltd if further clarification is required.

Analysis Matrix

Likelihood	Consequence					
		Insignificant	Minor	Moderate	Major	Catastrophic
Almost Certain		Medium	High	Very High	Very High	Very High
Likely		Medium	High	High	Very High	Very High
Sometimes		Low	Medium	High	High	Very High
Rarely		Low	Low	Medium	Medium	High
Highly Unlikely		Low	Low	Low	Medium	Medium

Risk Evaluation

- **Catastrophic** – Fatality – Act immediately to mitigate the risk.
- **Major** – Extensive injuries – Act immediately to mitigate the risk. If the correct treatments are not available immediately establish interim risk reduction strategies.
- **Moderate** – Medical Treatment required – Take reasonable steps to mitigate the risk and implement the risk treatments as soon as reasonably practicable.
- **Minor** – First Aid Treatment – Implement the risk treatments as soon as reasonably practicable.
- **Insignificant** – No risk of injury but as always take caution and reasonable steps to monitor risk.

Hierarchy of Controls

- **Elimination** – This is a permanent solution and should be attempted in the first place.
- **Substitution** – This includes plant which present a lower level of risk.
- **Isolation** – Isolate the Hazard, use guarding or prevent access etc.
- **Engineering** – Safe alternative manufacturing guarding or barriers.
- **Administration** – Implement Policies, Procedures, Training and safe work practices.
- **PPE** – Ensure that individuals are equipped with the proper personal protective equipment to perform the task. (Glasses, Gloves, Protective Foot ware, Hard Hats, Wide Brimmed Hats, Sunscreen, Ear Protection etc).

Hazard Checklist

Entanglement

Can anyone's hair, clothing gloves, necktie, jewellery, rags, or other material become entangled with the moving parts of the plant.

Issue	Status	Comments/Issues	Risk Rating
Guards Installed for Engine fan.	Yes		Low
Guards installed for belts & pulleys.	No		Medium
Engine covers fitted.	Yes		Medium
Warning Decals - (Do not open with engine running).	Yes		Medium
Warning Deals for Personal (i.e. clothing, hair etc).	Yes		Medium
Secure Work Zone.		Responsibility of operator/owner.	

Crushing

Can a person be crushed due to Material falling off the plant, Uncontrolled or unexpected movement of the plant or its load, the plant tipping or rolling over, parts of the plant Collapsing, coming in contact with moving parts of the plant during testing, inspection, use maintenance, cleaning or repair, being thrown off or under the plant, being trapped between the plan and materials or fixed structures and any other factors?

Issue	Status	Comments/Issues	Risk Rating
Neutral Start Switch (Forward/Reverse Leaver).	Yes		Medium
Reversing/Travel Alarm.	Yes		Medium
Amber Flashing Beacon (Visible position).	Yes		Medium
Crush Zone Warning Decal for hitch and blade area.	Yes		Medium
Control Pedals - Non Slip Surface.	Yes		Low
Controls have the appropriate knobs.	Yes		Low
Machine may suddenly reverse decal.	Yes		Medium
Rear view mirror.	Yes	Reversing camera fitted.	Medium
FOPS (Falling Object Protection.)	Yes		Medium
Emergency Exit Identified.	Yes		Low
Cabin Clear (No chains etc)	Yes		Low
Parking Break Operational.	Yes		Low
Battery Isolator.	Yes		Low

Issue	Status	Comments/Issues	Risk Rating
Hydrostatic Drive (Emergency Stop).	Yes		Medium
Slope Indicator Fitted - (Ref to SWIMS).	Yes		Medium
Attachment instructions (If attachment is fitted).		Responsibility of operator/owner.	
Seat belt fitted.	Yes		Low
Seat Belt must be worn decal.	Yes		Medium
Door Fitted.	Yes		Low
No phone use while operating the machine decal fitted.	Yes		Medium
Hydraulic Quick Hitch Identification Plate (Serial Number, Manufactures Name and Model, maximum rated capacity, lift point capacity)	Yes		Medium
Ensure that all operators follow approved SWMS/SOP when loading and unloading this machine to and from a flat top truck or trailer, low loader or tilt tray.		Responsibility of operator/owner.	
Emergency Stops (If fitted)	Yes		Low
Rear Swing Warning Decal or Swing Lights Fitted	Yes		Medium

Cutting, Stabbing and Puncturing

Can anyone be cut, stabbed or punctured due to:

Coming in contact with sharp or flying objects, with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?

Parts of the plant or work pieces disintegrating?

Work pieces being ejected?

The mobility of the plant?

Uncontrolled or un expected movement of the plant?

Issue	Status	Comments/Issues	Risk Rating
Guarding.	Yes		Medium
Trained person only.		Responsibility of operator/owner.	
Tag out procedures in place.		Responsibility of operator/owner.	

Shearing

Can anyone's body parts be cut off between two parts of the plant, or between a part of the plant and a work piece or structure?

Issue	Status	Comments/Issues	Risk Rating
Decals - Crush Zone.	Yes		Medium

Issue	Status	Comments/Issues	Risk Rating
Warning Sign.	Yes		Medium
Shearing Guarding.	Yes		Medium

Friction

Can anyone be burnt due to contact with moving parts or surfaces of the plan, or material handled by the plan

Issue	Status	Comments/Issues	Risk Rating
Safe Work Procedures in place.		Responsibility of operator/owner.	
Guards.	Yes		Medium
PPE.		Gloves to be worn when conducting prestart, maintenance or servicing machine.	

Striking

Can anyone be stuck by moving parts due to working pieces being ejected:

Issue	Status	Comments/Issues	Risk Rating
Keep Clear Warning Decal.	Yes		Medium
Quick Hitch Independent Latching Device supplied.	Yes		Medium
Engine Fan Guard.	Yes		Low
Belts & pulley guards.	No		Medium
Keep clear warning decals fitted to the jib arm.	Yes		Medium
Glass in safe operational condition.	Yes		Low
Reversing or travel alarm.	Yes		Medium
Amber flashing beacon.	Yes		Medium
Reversing Decal fitted.	Yes		Medium
Front and or Rear work lights.	Yes		Low
Reflective side tape fitted.	Yes		Low
UHF Operator communication fitted.	Yes		Low
Warning Horn	Yes		Low

High Pressure Fluid

Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant?

Issue	Status	Comments/Issues	Risk Rating
-------	--------	-----------------	-------------

Issue	Status	Comments/Issues	Risk Rating
All hose clamps fitted.	Yes		Medium
High Pressure Warning decals.	Yes		Medium

Electrical

Can anyone be injured by electrical shock or burnt due to:
 The plant contacting live electrical?
 The plant working to close proximity to electrical conductors?
 Overload of electrical circuits?
 Damage or poorly maintained electrical cables?
 Damage to electrical components?
 Lack of Isolation procedures?

Issue	Status	Comments/Issues	Risk Rating
Overhead Electrical Hazard / obstructions decal fitted.	Yes		Medium
Dial before you Dig Decal.	Yes		Medium
Isolation Switches in good condition.	Yes		Low
Look up and Live Decal fitted.	Yes		Medium
Battery Constrained to prevent displacement.	Yes		Low

Explosion

Can any one be injured by explosion of gases, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?

Issue	Status	Comments/Issues	Risk Rating
Fuel Decal.	Yes		Medium
Hydraulic Oil Decal.	Yes		Medium

Slipping Tripping and Falling

Using the plan or being in the vicinity of the plan, slip, trip or fall due to the working environment or other factors? E.g. Poor Housekeeping, slippery or uneven work surface or lack of guardrails.

Issue	Status	Comments/Issues	Risk Rating
Adequate Steps/footings in place.	Yes		Low
Adequate guardrails/handrails/grab rails in place.	Yes		Low
3 points of contact decal fitted.	Yes		Low
No visible signs of excessive lubricant leakage.	No		Low

Issue	Status	Comments/Issues	Risk Rating
Operator's Station clear of Debris (e.g. Cans of paint, grease cartridges, chains, drink bottles, eskies, quick hitch safety pins etc).	Yes		Low
Is plant fitted with handrails for working at heights? (If over 1800mm)	Yes		Low

Ergonomic

Can anyone be injured due to seating design, repetitive body movement or posture, excessive effort, poor workplace or plant design causing mental or physical stress, lack of consideration for human behavior, poor lighting or other factors not mentioned?

Issue	Status	Comments/Issues	Risk Rating
Seat in useable condition.	Yes		Low
Operation Controls (Levers & Pedals in operators Reach).	Yes		Low
Seat Adjustment Controls Operational.	Yes		Low
Control Labels readable.	Yes		Low

Suffocation

Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?

Issue	Status	Comments/Issues	Risk Rating
Not excessive Engine fumes.	No		Medium
Door & Window seals well maintained (Where applicable).	Yes		Low

High Temperature or Fire

Can anyone come into contact with objects at high temperature or injured by fire?

Issue	Status	Comments/Issues	Risk Rating
Exhaust in adequate condition.	Yes		Medium
Hot Hazardous exhaust decal.	Yes		Medium
Fire Extinguisher in the Equipment and maintained to AS 1851-2012.	Yes		Low
Hot Surface Warning Decals.	Yes		Medium
Service History up to date.	Yes	Responsibility of operator/owner.	Low

Thermal Comfort

Can anyone suffer ill-health due to exposure to high or low temperatures?
 Can the operator get sun burnt?

Issue	Status	Comments/Issues	Risk Rating
Ventilation.	Yes		Low
Air Conditioning.	Yes		Low
Windows tinting fitted.	Yes		Low
PPE & Sunscreen provided.		Responsibility of operator/owner.	

Noise

Is the noise level of the piece of equipment at a point that could damage your hearing?

Issue	Status	Comments/Issues	Risk Rating
Enclosed Cab.	Yes		Medium
PPE Protection Decals.	Yes		Medium

Lifting Load Capacity

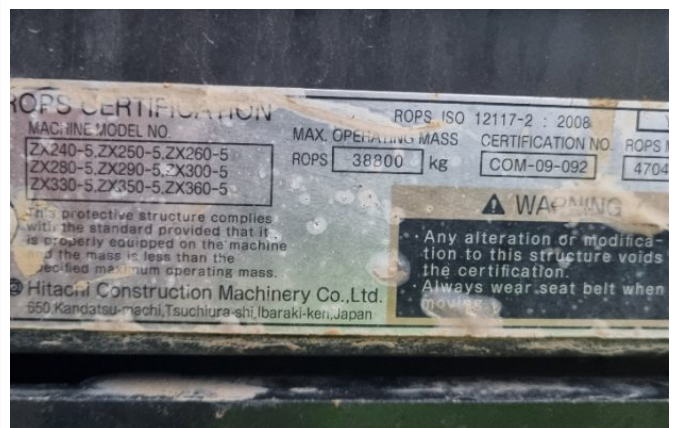
Issue	Status	Comments/Issues	Risk Rating
SWL/WWL Marked on the Boom Approved Lifting Points Load Capacity Chart fitted Burst/Drop valves fitted? (If lifting over 1 tonne).	Yes		Medium

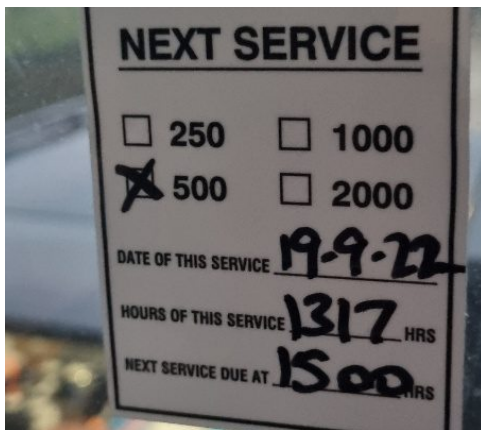
Documentation

Is the following documentation in the cab or readily available to the operator?

Issue	Status	Comments/Issues	Risk Rating
Operators Manual with the equipment.	Yes		Low
Attachment Risk Assessment (if applicable).		Responsibility of operator/owner.	
Service & Maintenance Records to be up to date.	Yes	Responsibility of operator/owner.	Medium
Plant Pre-Start Check List.	Yes	Responsibility of operator/owner.	Medium
Safe Working Method Statement and procedures in place.		Responsibility of operator/owner.	

Report Images





Important Notes

- Service History it to be up to date and maintained by the Hiree, Owner and operator.
- The above assessment is based on the machine only not the site or work environment it may be used. This is the responsibility of the operator to ensure safe work practices and Pre-Start Checks are followed.
- All operators to be trained prior to use of machinery.
- All attachments used with the machine need to have data plates.
- If any piece of machinery is used as a crane this needs to be adhered to the Crane Act, including understanding Load Charts for the machine and swivel hook to lift.

Hirer / Operator Acknowledgment:

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have received a copy of this risk management report:

Client Signature
Charles - October 5th, 2022

We the undersigned, confirm that the Plant Risk Assessment included in this report has been explained and its contents are clearly understood. We also confirm that our required qualifications to undertake this activity are current. We also clearly understand that the controls in this Plant Risk Assessment must be applied as documented, otherwise work is to cease immediately.

Name:	Qualification:	Signature:	Date:	Employer:



Report Number: #001190
Inspection Date: October 5th, 2022
Expiry Date: October 5th, 2023

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Machine Operating Information Report

HITACHI CONSTRUCTION MACHINERY (AUSTRALIA) PTY LTD

Report No.

DRP-F2609700000-0003603916-0003

Customer

FOCUS MACHINERY

Machines under ConSite Contract

Model Code	Model Name	S/N	PIN/VIN
DDA20	ZX290LC-5B	040642	HCMDDA20K00040642
Machine ID			

Date of Issue

08/12/2021

Reporting Period

01/11/2021 to 30/11/2021

Contents and Summaries

Operating Hours and Conditions		Summary	
Operating Conditions		No. of Operating Days	25 Days
ECO Operation Report		Machine Operating Hours	202.3 hr(s)
Operating Hours (Details)		Fuel Consumption	2,735 l
Analysis of Operating Condition		Ratio of Eco Mode Usage	65 %
		ECO Index (Non-Operation Ratio)	A B <input checked="" type="checkbox"/> C D
		ECO Index (Swing Operation Ratio)	A <input checked="" type="checkbox"/> B C D
Attachment Operation Hours		Summary	
Total Operation Hours for this month		Operation hours for this month	0.5 hr(s)
Transition of Highest Coolant Temperatures		Summary	
Transition of Daily Highest Temperatures		Monthly averaged highest temperature	Mid
Transition of Highest Hydraulic Oil Temperatures		Summary	
Transition of Daily Highest Temperatures		Monthly averaged highest temperature	Mid
Distribution of Temperatures		Summary	
Coolant Temperature Distribution Chart		Coolant	The machine operated mostly in the "Mid" temperature range.
Hydraulic Oil Temperature Distribution Chart		Hydraulic Oil	The machine operated mostly in the "Low" temperature range.
Tendency of Pump Pressure in the latest 200hrs		Summary	
Pump Pressure		Pump Pressure	The machine operated mostly in the "Low" pump pressure range.
Pump Pressure (Digging)		Pump Pressure (Digging)	The machine operated mostly in the "Mid" pump pressure range.
Pump Pressure (Traveling)		Pump Pressure (Traveling)	The machine operated mostly in the "Mid" pump pressure range.
Pump Pressure (Swing)		Pump Pressure (Swing)	The machine operated mostly in the "Mid" pump pressure range.
Daily Operating Report		Summary	
Daily Operating Report (Details)		Actual Operating Hours	117.9 hr(s)
		Non-Operation Hours	84.3 hr(s)
Alarm Issuance History		Summary	
Table of alarms issued		Number of ConSite alarms during the reporting month	0 Times

Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Operating Hours and Conditions		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Operating Conditions

Latest Hour Meter Reading	511 hr(s)	Time since Delivery	0Year(s) 2Month(s)
No. of Operating Days	25 Days	Machine Operating Hours	202.3 hr(s)

Operating Conditions Calendar						
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2	3	4	5	6	
	14.3	11.9	7.3	13.7	12.1	5.5
	229	146	61	166	130	69
7	8	9	10	11	12	13
3.9	14.1	13.6	4.0	12.7	0.2	
52	158	150	45	180	4	
14	15	16	17	18	19	20
	9.6	7.4	8.6	8.4	6.6	0.2
	157	117	137	133	100	2
21	22	23	24	25	26	27
	9.7	9.6	0.4	6.0	4.7	
	136	166	6	83	98	
28	29	30				
	8.3	9.6				
	99	116				

Color Legend

15.0	Daily operating hours are 6.1 hrs or more.
225	
5.0	Daily operating hours are 6.0 hrs or less.
75	
2.0	Daily operating hours are 4.0 hrs or less.
30	
	No Operating

Item Legend

1	Date
5.0	Operating Hours[hr(s)]
75	Fuel Consumption[l]

Power Mode Ratio

PWR Mode	35 %	ECO Mode	65 %
----------	------	----------	------

* Fuel consumption can be improved by using ECO mode.

Fuel Efficiency & CO2

Fuel Consumption	2,735 l	Over Preceding Month	-1,052 l
------------------	---------	----------------------	----------

* The fuel consumption amount shown above was theoretically calculated and is slightly different from the actually consumed amount. It is either calculated from theoretical injection amounts or extrapolated from hydraulic pump loads.

Fuel Efficiency	13.5 l/hr	Over Preceding Month	-3.6 l/hr
-----------------	-----------	----------------------	-----------

* Fuel efficiency is calculated based on fuel consumption / operating hours. Fuel Efficiency improves with less non-operation hours.

CO2 Emission Amount	7,055 kg	Over Preceding Month	-2,714 kg
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* The CO2 emission amount was calculated based on the fuel consumption amount.

ECO Operation Report

Non-Operation Ratio	41 %(84.3 hr(s))	
---------------------	------------------	--

* The upper graph shows the value of the target machine.
The lower graph shows the average value of the region & model class.

Comment	Non-Operation ratio is high. Fuel consumption can be reduced by stopping the engine during waiting time or short rest.
---------	--

* For example 20t class excavator, approximately 2 l/hr of fuel is consumed during idling and 4 l/hr of fuel is consumed during auto idling.

Swing Operation Ratio	57 %(68.1 hr(s))	
-----------------------	------------------	--

* The upper graph shows the value of the target machine.
The lower graph shows the average value of the region & model class.

Comment	Swing operation ratio is low. The machine operates efficiently.
---------	---

Index	A	B	C	D
-------	---	---	---	---

Efficient ←

A:Non-Operation ratio is 0 to 21%
B:Non-Operation ratio is 22 to 33%
C:Non-Operation ratio is 34 to 45%
D:Non-Operation ratio is 46 to 100%

Index	A	B	C	D
-------	---	---	---	---

Efficient ←

A:Swing Operation ratio is 0 to 48%
B:Swing Operation ratio is 49 to 58%
C:Swing Operation ratio is 59 to 68%
D:Swing Operation ratio is 69 to 100%

Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Operating Hours and Conditions		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Operating Hours (Details)

Operating Hours of the Reporting Period

Item	Current Month	
Engine Operating Hours	202.3 hr(s)	
Actual Operating Hours	117.9 hr(s)	
Non-Operation Hours	84.3 hr(s)	
Front Operation Hours	103.2 hr(s)	
Swing Operation Hours	68.1 hr(s)	
Travel Operation Hours	28.3 hr(s)	
Fast Speed Mode	12.8 hr(s)	
Slow Speed Mode	15.6 hr(s)	
Attachment Operation Hours	0.5 hr(s)	

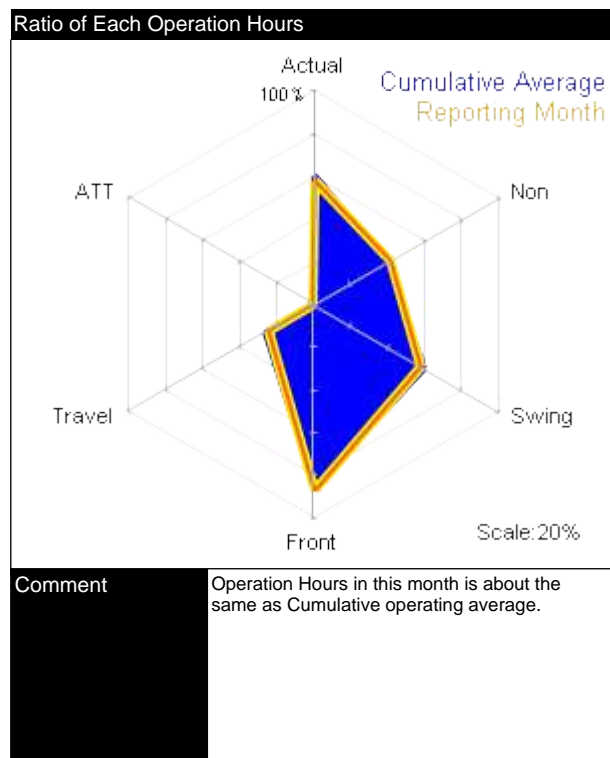
* Total hours of operation may exceed engine running time due to combined operation.

Cumulative Operating Hours

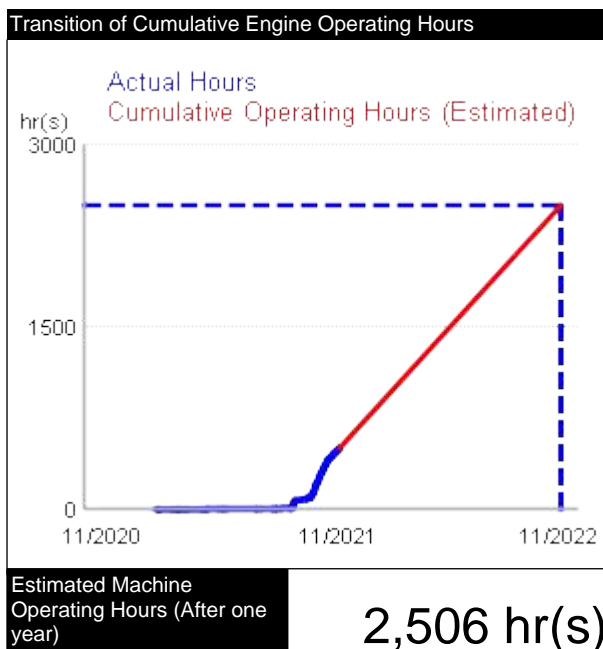
Item	Cumulative Total	
Engine Operating Hours	507.5 hr(s)	
Actual Operating Hours	304.3 hr(s)	
Non-Operation Hours	203.2 hr(s)	
Front Operation Hours	260.2 hr(s)	
Swing Operation Hours	181.5 hr(s)	
Travel Operation Hours	78.3 hr(s)	
Fast Speed Mode	43.6 hr(s)	
Slow Speed Mode	40.9 hr(s)	
Attachment Operation Hours	1.6 hr(s)	

* Total hours of operation may exceed engine running time due to combined operation.

Analysis of Operating Condition



* Actual operating time ratio and non-operating time ratio are respective time ratios to the engine operating time. Other time ratios are ratios to the actual operating time.



* The estimated hours are calculated based on the cumulative engine operating hours up to the reporting month. Actual operating hours will be greatly different from the estimated hours if the machine's operating site or condition changes.

Expected Milestone Dates			
750 hr(s)	1,000 hr(s)	1,250 hr(s)	1,500 hr(s)
13/01/2022	28/02/2022	15/04/2022	31/05/2022

Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Attachment Operation Hours		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

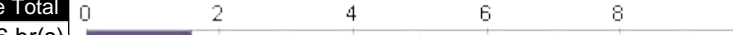
Total Operation Hours for this month

The table shows the operation hours in each attachment mode set by the monitors.

Operating Hours of the Reporting Period

Item	Current Month	0	2	4	6	8	10
Attachment Operation Hours	0.5 hr(s)						
Breaker Operation	0.5 hr(s)						
Pulverize Operation	0.0 hr(s)						
Crusher Operation	0.0 hr(s)						
Vibration Hammer Operation	0.0 hr(s)						
Other Attachment Operation	0.0 hr(s)						

Cumulative Operating Hours

Item	Cumulative Total										
Attachment Operation Hours	1.6 hr(s)										
Breaker Operation	1.3 hr(s)										
Pulverize Operation	0.0 hr(s)										
Crusher Operation	0.0 hr(s)										
Vibration Hammer Operation	0.1 hr(s)										
Other Attachment Operation	0.3 hr(s)										

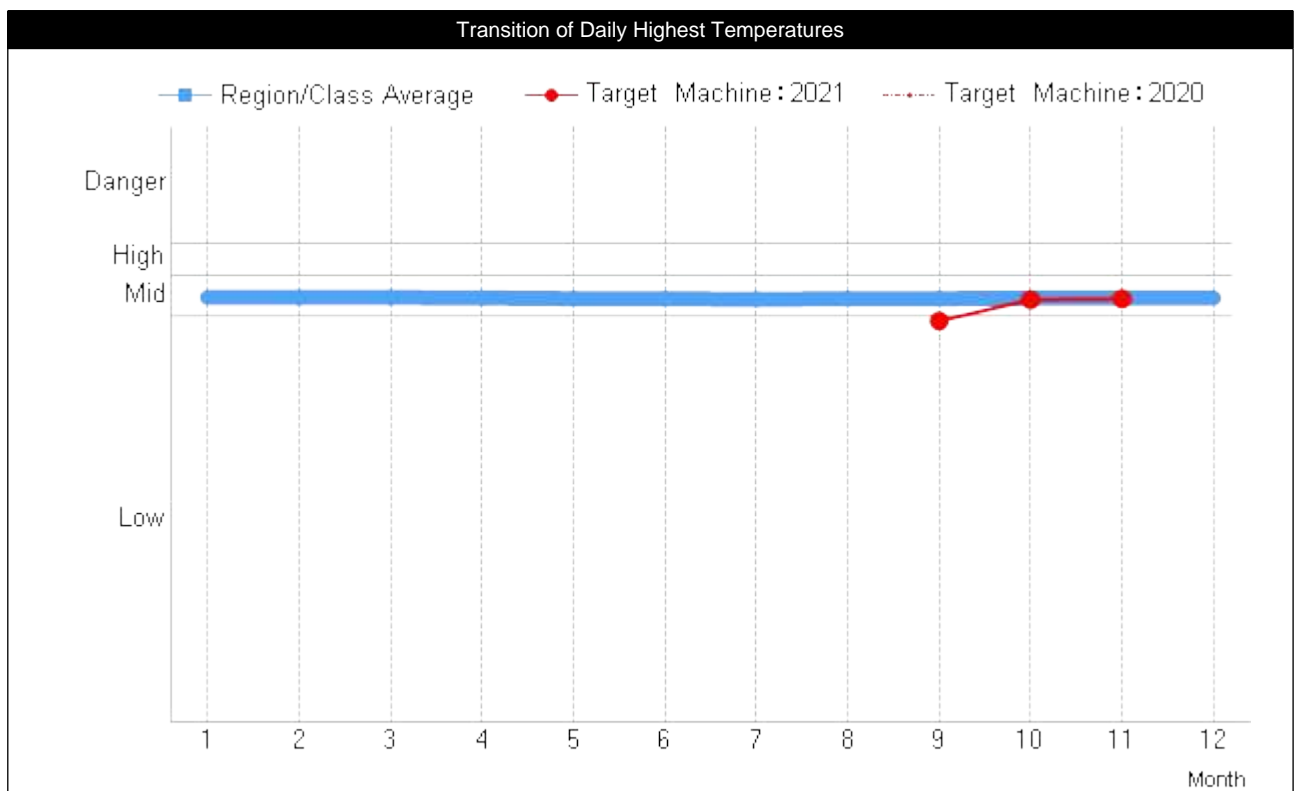
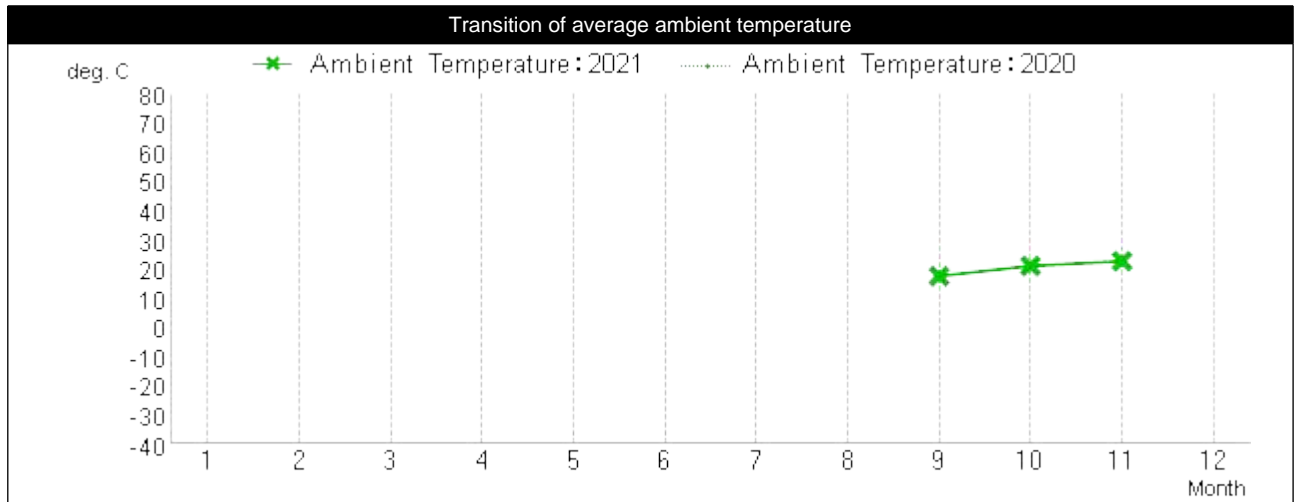
Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Transition of Highest Coolant Temperatures		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Transition of Daily Highest Temperatures

The following graph indicates transition of monthly averaged daily highest temperatures.

Reporting Period 01/01/2020 to 30/11/2021



Comment The coolant temperature of the reporting month was in the "Mid" temperature range.

* Danger: Excessively high temperature range (overheating).

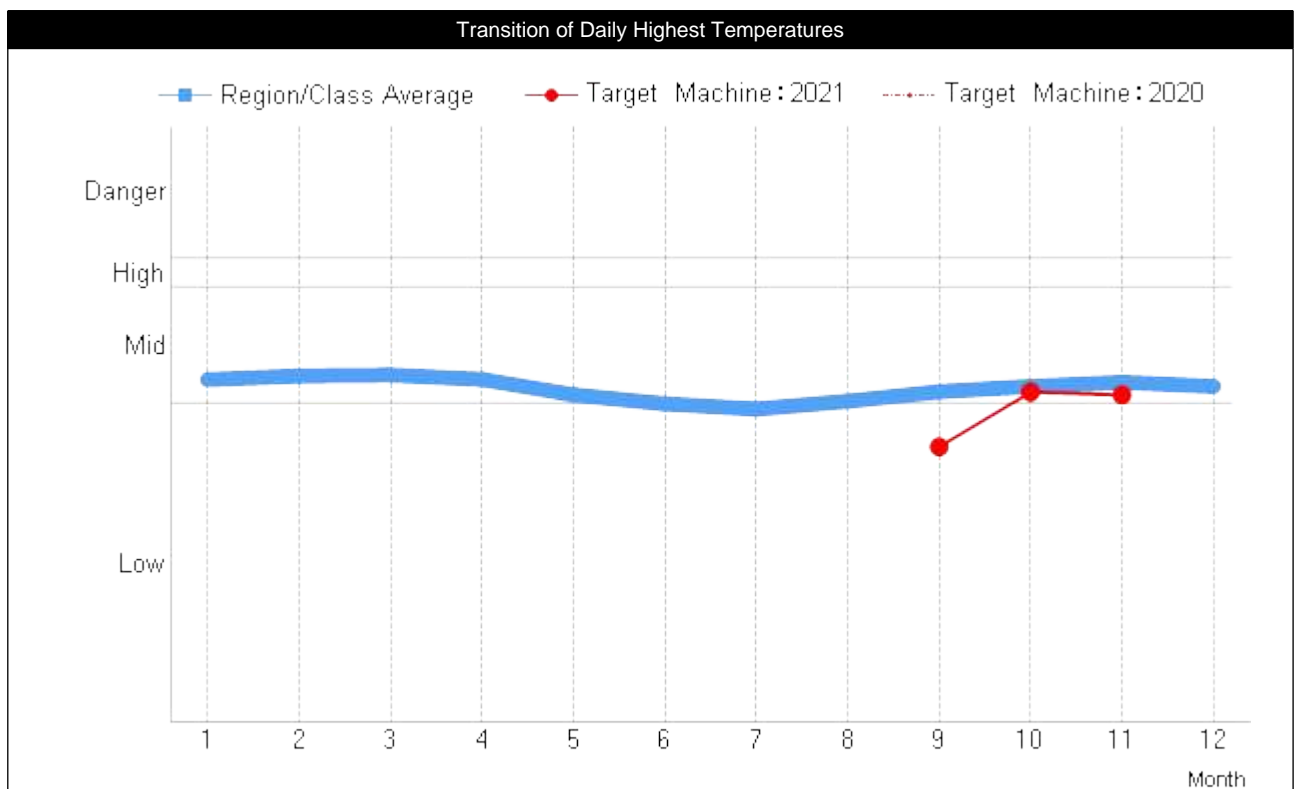
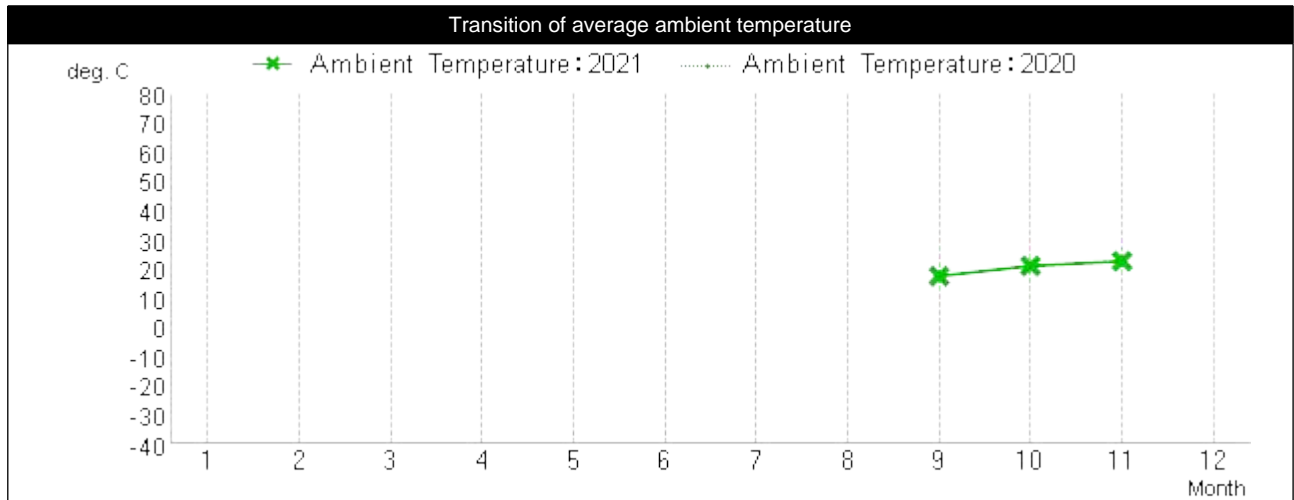
* Low, Mid, and High: Normal temperature range.

Transition of Highest Hydraulic Oil Temperatures		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Transition of Daily Highest Temperatures

The following graph indicates transition of monthly averaged daily highest temperatures.

Reporting Period 01/01/2020 to 30/11/2021



Comment The hydraulic oil temperature of the reporting month was in the "Mid" temperature range.

* Danger: Excessively high temperature range (overheating).

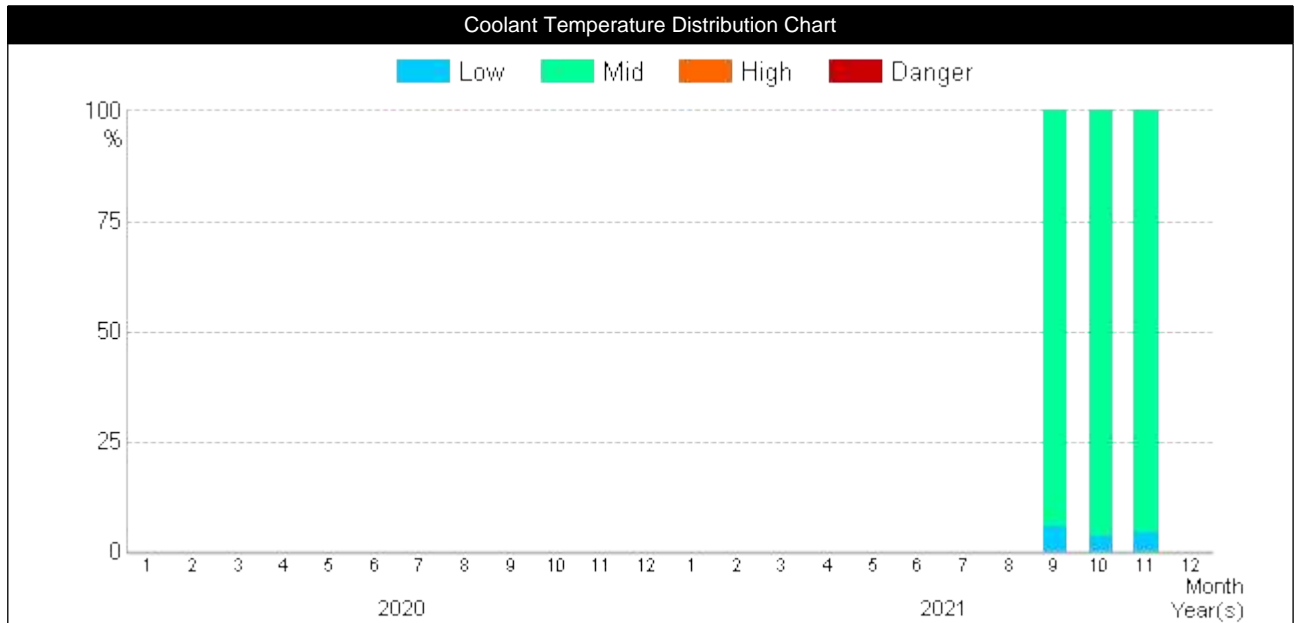
* Low, Mid, and High: Normal temperature range.

Distribution of Temperatures		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

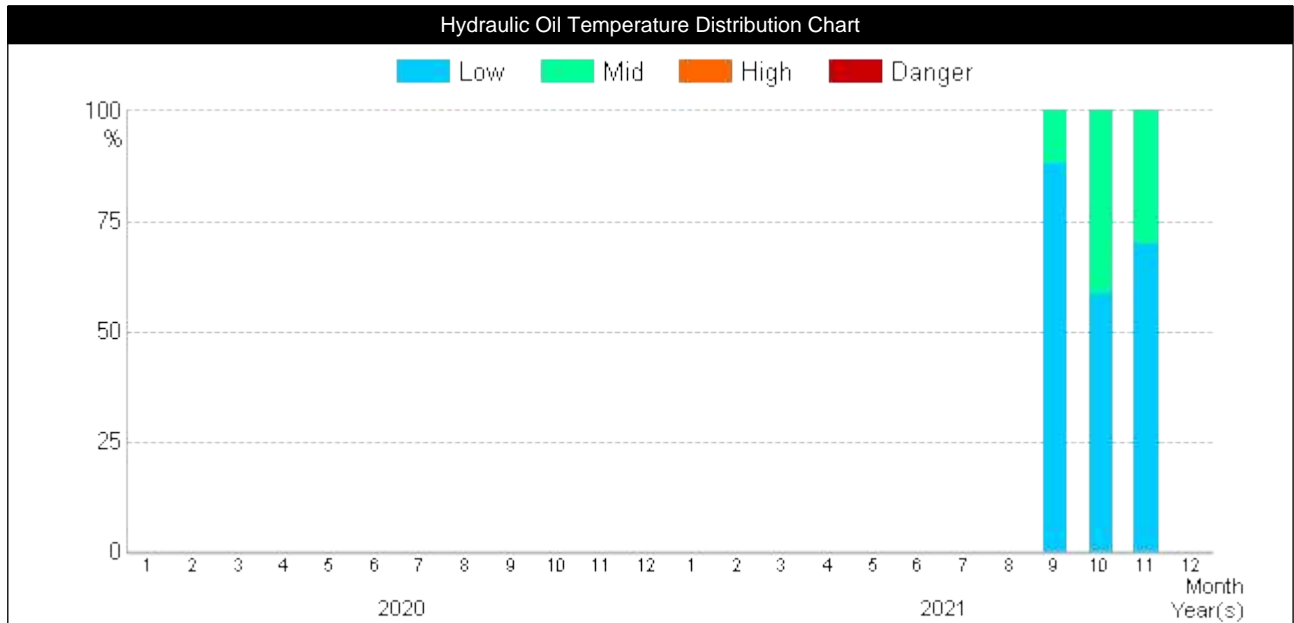
Distribution of Temperatures

The graph shows the monthly distribution of temperatures with a summary of daily temperature.

Reporting Period 01/01/2020 to 30/11/2021



Comment The coolant temperature of the reporting month was in the "Mid" temperature range.



Comment The hydraulic oil temperature of the reporting month was in the "Low" temperature range.

* Danger: Excessively high temperature range (overheating).

* Low, Mid, and High: Normal temperature range.

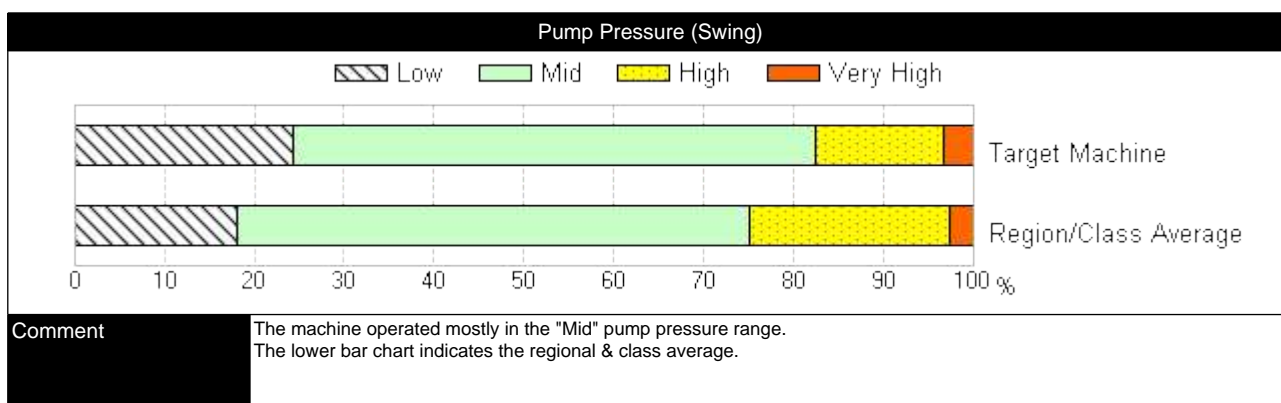
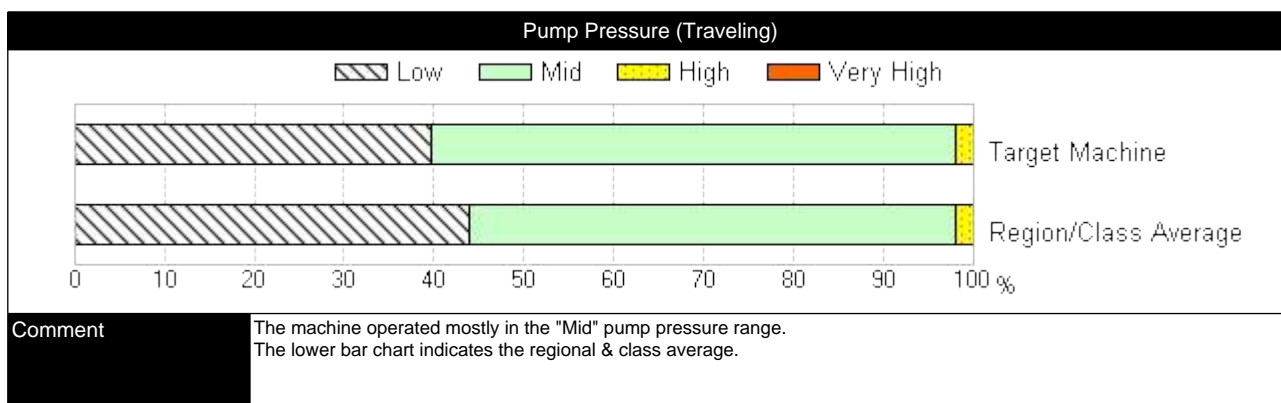
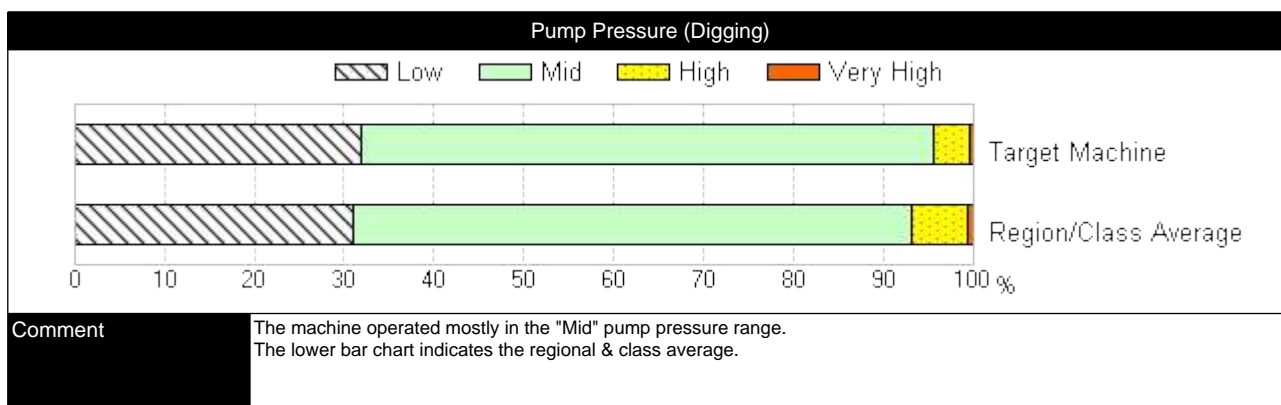
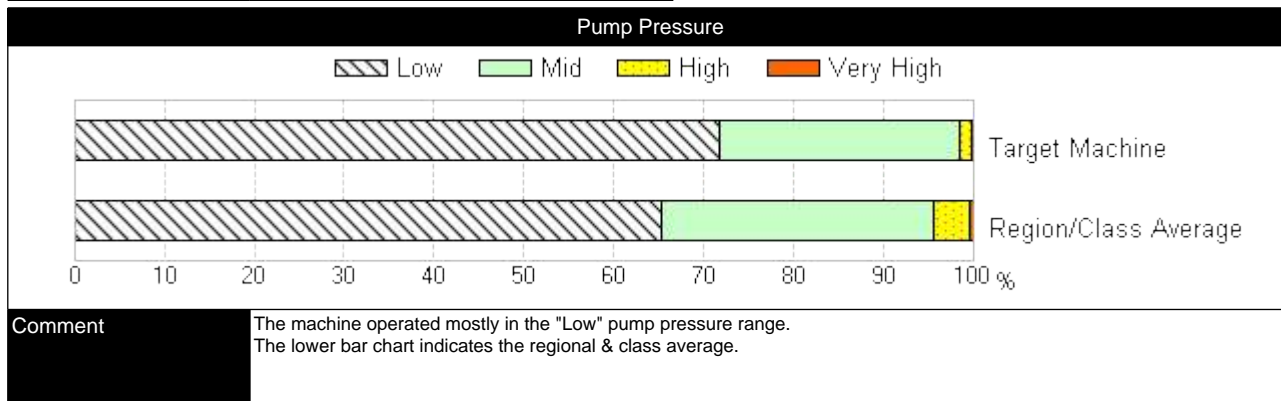
Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Tendency of Pump Pressure in the latest 200hrs		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Tendency of Pump Pressure in the latest 200hrs

The graphs below show the range of pressure in the reporting period.
The horizontal axis shows the ratio for each pressure range in the reporting period.

Reporting Period 311 hr(s) to 511 hr(s)



Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Daily Operating Report		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Daily Operating Report (Details)

Daily operating data during the reporting period is indicated below.

Operating Hours of the Reporting Period

Machine Operating Hours	202.3 hr(s)
Actual Operating Hours	117.9 hr(s)
Non-Operation Hours	84.3 hr(s)

Actual Operating Hours

Non-Operation Hours

Engine Off Time

Days	Operating Time(Hour)																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1																								
2																								
3																								
4																								
5																								
6																								
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27																								
28																								
29																								
30																								

* : No operating information available.

Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

Table of alarms issued

Number of ConSite alarms during the reporting month	0 Times
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Supplement: Explanation of Terminology		Report No.	DRP-F2609700000-0003603916-0003
		Machine ID	
Model Name	ZX290LC-5B	Reporting Period	01/11/2021 to 30/11/2021
S/N	040642	Date of Issue	08/12/2021

Explanation of Terms Used In This Report

Item	Description
Engine Operating Hours	Total hours of Actual Operating Hours and Idling Time.
Engine Off Time	Time in which the engine is not running.
Front Operation Hours	Total front operation hours of the machine.
Swing Operation Hours	Total swing operation hours of the machine.
Travel Operation Hours	Total travel operation hours of the machine.
Non-Operation Hours	Total non-operation hours of the machine (Idling Time)
Actual Operating Hours	Hours which are gotten by subtracting Non-Operation Hours from engine operating hours
Pump Pressure	Pump pressure during digging, travel, and swing lever operation.
Pump Pressure (Digging)	Pump pressure during front lever operation
Pump Pressure (Traveling)	Pump pressure during travel lever operation
Pump Pressure (Swing)	Pump Pressure during swing lever operation
Ambient Temperature	Ambient temperatures recorded on the machine tend to be higher than the actual surrounding area temperatures since the sensor is located inside the engine cover.

Note: This report is based on data that has been registered on Global e-Service. It may not reflect the latest condition of the machine.

**JOB CARD****HITACHI**

Reliable solutions

Work order number**WO00134057**

Work order group:	1-RETAILCH	Work order type:	DEFAULT
Priority:	General repair	Creation date:	22/11/2021
Person in charge:	JAMES ORLEBAR	Service advisor:	
Workshop location:	250-FS	Primary resource:	250-FS
Start date:	03/12/2021	Pickup date:	
Device customer name:	FOCUS MACHINERY	Pickup time:	12:00 AM

Bill to:

Customer number: 10003169

Name: FOCUS HIRE PTY LTD T/as FOCUS MACHINERY

Contact Name:

Telephone: 0397563950

Location:

Customer PO:

Mobile: 0397563950

Manufacturer:	HITACHI	Serial Number:	HCMDDA20K00040642	Service Model:	ZX290LC-5B
Device ID:	D00034586	Fleet Number:		Registration Number:	
Usage :					

Job Description :

focus ZX290LC-5 500hr ser

Symptoms:

500hr service

hopkins road
trugtim 0448 4 owner
0437967296 corey operat**Tasks inform**

Primary	Description	Resource	Estimated hrs	Start date	Start time	End date	End time
✓	focus ZX290LC-5 500hr service	250-FS		03/12/2021			

Management: ☐ Take 5: ☐ JSA: ☐ SWP: ☐ Not Required: ☐**Warranty:**

Powertrain

Period: 9/09/2021 - 8/09/2025

Usage: 5.00 - 8,000.00 Hr

Standard / Comprehensive

Period: 9/09/2021 - 8/09/2022

Comments:

Usage group :

Delivery : 24/07/2021 12:00:00 am

Contract line comments:

Product ID	Description	Quantity ordered	Quantity allocated	Sell price
		0.00	0.00	0.00

Workshop control - WO completionTechnician name: ✓ *John Pullman*Signature: *[Signature]*Date: *9/12/2021*

Supervisor name:

Signature:

Date:

Q/A name:

Signature:

Date:

Maintenance Planner

HITACHI

Hitachi Construction Machinery (Australia) Pty Ltd

HITACHI ZX290LC-5B Excavator

SN #:

Hours:

Customer:

Plant #:

As Required (Operator Inspection)

- | | |
|--|--|
| <input type="checkbox"/> Clean radiator, oil cooler and inter-cooler screen and core | <input type="checkbox"/> Clean air cleaner dust unloader valve |
| <input type="checkbox"/> Inspect and Clean muffler (DPF) filter (Refer Hitachi Branch) | <input type="checkbox"/> Check windscreen washer fluid level |

Every 10 Hours or Daily (Operator Inspection)

- | | |
|---|--|
| <input type="checkbox"/> Check hydraulic reservoir oil level | <input type="checkbox"/> Drain water and sediment from fuel tank, fuel filters & separator |
| <input type="checkbox"/> Check engine oil level | <input type="checkbox"/> Check & adjust track tension |
| <input type="checkbox"/> Check radiator coolant level at recovery tank | <input type="checkbox"/> Grease bucket and link pins |
| <input type="checkbox"/> Check bucket teeth | <input type="checkbox"/> Check seat belt |
| <input type="checkbox"/> Check hydraulic hoses and fuel lines for leaks | <input type="checkbox"/> |

Initial 250 Hours HCA-ZX290LC-5B-500F HCA-ZX290LC-5B-500L

- | | |
|---|--|
| <input type="checkbox"/> Carry out 1st inspection as per Report EF174 | <input type="checkbox"/> Drain and refill engine oil and replace engine oil filter |
| <input type="checkbox"/> Grease excavator front (boom, arm, bucket & cylinders) pins and bushings | <input type="checkbox"/> Inspect and adjust fan and air conditioner belts |
| <input type="checkbox"/> Tightening and Retightening Torque of Nuts and Bolts | <input type="checkbox"/> |

Every 250 Hours (Operator Inspection)

- | | |
|---|---|
| <input type="checkbox"/> Inspect and adjust fan and air conditioner belts | <input type="checkbox"/> Check fuel lines for cracks, leakage & deterioration |
| <input type="checkbox"/> Clean outer air cleaner element | <input type="checkbox"/> Check pump transmission oil level |
| <input type="checkbox"/> Check battery electrolyte level, clean & tighten terminals | <input type="checkbox"/> Check bolt torques per operator manual |
| <input type="checkbox"/> Check Hydraulic lines for cracks, leakage & deterioration | <input type="checkbox"/> |

Every 500 Hours HCA-ZX290LC-5B-500F HCA-ZX290LC-5B-500L

- | | |
|---|---|
| <input type="checkbox"/> Drain and refill engine oil and replace engine oil filter | <input type="checkbox"/> Grease front attachment and swing gear |
| <input type="checkbox"/> Check swing transmission oil level | <input type="checkbox"/> Grease swing bearing |
| <input type="checkbox"/> Clean fuel cooler | <input type="checkbox"/> Check travel reduction oil level |
| <input type="checkbox"/> Clean air conditioner condenser | <input type="checkbox"/> Clean A/C recirculation and fresh air filter |
| <input type="checkbox"/> Clean radiator, oil cooler and inter-cooler core (externally) | <input type="checkbox"/> Clean oil cooler, radiator and inter-cooler front screen |
| <input type="checkbox"/> Check coolant condition | <input type="checkbox"/> Check air intake hoses |
| <input type="checkbox"/> Record service completion in monitor unit | <input type="checkbox"/> Grease hand control lever universal joint |
| <input type="checkbox"/> Take PROBE oil samples from engine, both final drives, swing & pump transmissions and hydraulic system | <input type="checkbox"/> Download MIC data and Check Alarm Codes |

Every 1000 Hours HCA-ZX290LC-5B-1000F HCA-ZX290LC-5B-1000L

- | | |
|--|--|
| <input type="checkbox"/> Replace primary & secondary fuel filters | <input type="checkbox"/> *Replace hydraulic return oil filter |
| <input type="checkbox"/> Replace pilot filter element | <input type="checkbox"/> Clean pump transmission breather filter |
| <input type="checkbox"/> Drain and refill pump transmission oil | <input type="checkbox"/> Clean electric fuel feed pump strainer |
| <input type="checkbox"/> Drain and refill swing transmission oil | <input type="checkbox"/> Replace travel reduction oil |
| <input type="checkbox"/> Carry out ConSite SHOT machine inspection | |

Every 2000 Hours HCA-ZX290LC-5B-2000F HCA-ZX290LC-5B-2000L

- | | |
|--|---|
| <input type="checkbox"/> Replace water separator filter element | <input type="checkbox"/> Adjust engine valve clearance (Include new Gasket) |
| <input type="checkbox"/> Replace A/C recirculation air filter | <input type="checkbox"/> **Replace A/C fresh air filter |
| <input type="checkbox"/> **Replace outer air cleaner element | <input type="checkbox"/> Replace inner air cleaner element |
| <input type="checkbox"/> Clean fuel injection system with service tool(Ref SB2014 0234B) | <input type="checkbox"/> |

Every 5000 Hours HCA-ZX290LC-5B-1000F HCA-ZX290LC-5B-1000L

- | | |
|---|--|
| <input type="checkbox"/> *Drain & refill hydraulic oil (Genuine Hitachi Oil Only) | <input type="checkbox"/> Replace hydraulic tank breather element |
| <input type="checkbox"/> Drain & refill engine coolant | <input type="checkbox"/> Clean hydraulic suction filter |
| <input type="checkbox"/> Check EGR device | <input type="checkbox"/> Clean EGR cooler |
| <input type="checkbox"/> Replace Pump Transmission Breather Filter | <input type="checkbox"/> Replace Electric fuel pump strainer |
| <input type="checkbox"/> | <input type="checkbox"/> |

Every 10000 Hours HCA-ZX290LC-5B-2000F HCA-ZX290LC-5B-2000L

- | | |
|---|--------------------------|
| <input type="checkbox"/> All of the above | <input type="checkbox"/> |
|---|--------------------------|

Notes

* NOTE: If a hydraulic rock breaker is used Hydraulic oil & hydraulic return filter change intervals will need to be adjusted to suit the amount the hammer is used. (see operation manual for details of recommended intervals)

** In dusty conditions replace filter more frequently (1000hrs)

Items in *italics* reflect local conditional requirements and may differ from operator manual

Please ensure the monitor is updated when each service has been completed

Maintenance Planner

Required Parts							
Highlighted in grey indicate they are included in Parts / Lube Kits							
	Part Number	Initial 250 Hour (2)	500 Hour (3)	1000 Hour (5)	2000 Hour (7)	5000 Hour (11)	10000 Hour (12)
Engine Oil Filter	YA00058283	1	1	1	1	1	1
Primary Fuel Filter	4676385			1	1	1	1
Secondary Fuel Filter	4719920			1	1	1	1
Water Separator Fuel Filter	YA00002973				1		1
Electric Fuel Pump Strainer Gasket	4658052			1	1	1	1
Electric Fuel Pump Strainer	4658053					1	1
Hydraulic Return Oil Filter	YA00033065			1	1	1	1
Pilot Oil Filter	4630525			1	1	1	1
Pump Transmission Breather Filter	YB00000680					1	1
Air Filter (Outer)	P821938				1		1
Air Filter (Inner)	P821963				1		1
Air Conditioner Fresh Air Filter	YA00022308				1		1
Air Conditioner Recirculation Air Filter	YA00001490				1		1
Rocker Cover Gasket	8973313591				1		1
Hydraulic Tank Breather Element	4437838					1	1
Oil Sample Bottles	OIL SAMPLE		6	6	6	6	6
Fan Belt	8980428620	As Required					
Air Conditioning Belt	• YA00007116	As Required					
Injector Cleaner/Fuel Treatment	YA00040185	As Required (2000hrs)					
DPF Filter	YA00010116RM	As Required					
System Capacity							
Hitachi Engine Oil 10W-40 DH-2 YA00027292 (4L) YA00027291 (20L)							
29L							
Engine Oil – 29L	YA00027291	1	1	1	1	1	1
	YA00027292	3	3	3	3	3	3
Pump Transmission – 1.6L				3	3	3	3
Hitachi HN46 Hydraulic Oil (200 Litre Pack)							
156L							
Hydraulic System Oil – 156L	711-200DRUM					1	1
Hitachi Gear Oil GL-4 90 GO90GL45L-S (5L) GO90GL420L-S (20L)							
Total 30.1L Required							
Travel Reduction – 18.4L	GO90GL420L-S			2	2	2	2
Swing Reduction – 11.7L	GO90GL45L-S			2	2	2	2
Solution Plus Coolant Premix SP400COOL010 (10L) SP400COOL020 (20L)							
26L							
Cooling System – 26L	SP400COOL010					1	1
	SP400COOL020					1	1
Based on Oil analysis results, Oil change intervals may need to be adjusted for your operating conditions. Consult your local Hitachi Dealer.							
Notes							

Completed By

Name _____ Signature _____ Date _____

Reviewed By

Name _____ Signature _____ Date _____

Focus Hire Pty Ltd
Cust #: 330250**WO#:** WO00134057
UIN: 08F8145 **SIFNo:** 97690370
Unit ID: HCMDDA20K00040642
Type: Final Drive
Name: Travel Transmission R/H (Excavator)
Fluid: GL-4 (SAE 90)
Sampled: Dec 09, 2021 **Comp Hrs:** 516
Oil chng: NC **Oil Hrs:** 516
Filter
chng: NC **Filter Hrs:**



Focus Hire Pty Ltd
Cust #: 330250**WO#:** WO00134057
UIN: 08F8144 **SIFNo:** 97690369
Unit ID: HCMDDA20K00040642
Type: Final Drive
Name: Travel Transmission L/H (Excavator)
Fluid: GL-4 (SAE 90)
Sampled: Dec 09, 2021 **Comp Hrs:** 516
Oil chng: NC **Oil Hrs:** 516
Filter
chng: NC **Filter Hrs:**



Focus Hire Pty Ltd
Cust #: 330250**WO#:** WO00134057
UIN: 08F8146 **SIFNo:** 97690368
Unit ID: HCMDDA20K00040642
Type: Swing Drive
Name: Swing Transmission
Fluid: GL-4 (SAE 90)
Sampled: Dec 09, 2021 **Comp Hrs:** 516
Oil chng: NC **Oil Hrs:** 516
Filter
chng: NC **Filter Hrs:**



Focus Hire Pty Ltd
Cust #: 330250**WO#:** WO00134057
UIN: 08F8147 **SIFNo:** 97690367
Unit ID: HCMDDA20K00040642
Type: Pump Drive
Name: Pump Transmission Single/Front
Fluid: Genuine Super Wide DH-2 (SAE 10W40)
Sampled: Dec 09, 2021 **Comp Hrs:** 516
Oil chng: NC **Oil Hrs:** 516
Filter
chng: NC **Filter Hrs:**



Focus Hire Pty Ltd
Cust #: 330250**WO#:** WO00134057
UIN: 08F8143 **SIFNo:** 97690366
Unit ID: HCMDDA20K00040642
Type: Hydraulic System
Name: Hydraulic System
Fluid: Super EX46HN (ISO 46)
Sampled: Dec 09, 2021 **Comp Hrs:** 516
Oil chng: NC **Oil Hrs:** 516
Filter
chng: NC **Filter Hrs:** 516



Focus Hire Pty Ltd	
Cust #: 330250WO#: WO00134057	
UIN: 08F8142 SIFNo: 97690365	
Unit ID: HCMDDA20K00040642	
Type: Diesel Engine	
Name: Engine Single/Front	
Fluid: Genuine Super Wide DH-2 (SAE 10W40)	
Sampled: Dec 09, 2021	Comp Hrs: 516
Oil chng: CH	Oil Hrs: 83
Filter chng: CH	Filter Hrs: 83

