

CE35-1

N-011998 Hitachi CG110 Morooka MST 2200

Ser # 10131

	Engine oil	Air	Fuel	Water	Hydraulic	
					C5G-150-A10A	Main Pilot.
FRAN						
HAST	1pc. LF 446					
BALD	1pc. P723		2pc PF311			
	2nd pc. Donaldson P502190	Lubefiner LAF1834	Fleetguard FF5029			

Hyd. oil Hydrex all season.

Wiper blade is a standard car blade 28" long.

Batteries 7" wide x 19 3/4" x 8" High (2pc) Now runs standard 4D

Starter # 28100-1645A or Dixie # 200-38206 (24v 7kw)

Alt batt. 1pc Mitsubishi 9001-45189A

Original Alt. was Hino 27040-1291c (Fuji alt)

New Alt is 02132-2070 Mis # (National Compressed Air)

High Beam headlight part # 1-21210-1230 (NK7)

Both 55w

Low Beam headlight part # 1-21210-1240 (NK6)

~~Directional Valve in box is a Prince RD515F C5A4B3~~Updated Headlight is a Koito semi sealed beam Headlamp
(24v - 75/70w) (4 HRSSB-2-24HP) (HCR-200)

This lamp takes a H-4 bulb 24v.

Polar Thermal Technology is Espar Heater dealer.

Cab door outside handle (open handle)
Part # 4369645 (John Deere)

Heater Motor For Cab is From EX270-5
Part # 4391755 From Wajax.
or Denso 240 : 282500-0711

Rubber Tracks are McLaren brand.
Size = 800X150X66

Undercarriage pins are = 1-18350-1213
bushings = MRK-1-18350-1230

Track idler asy. 22MRK-1-18330-0012

Carrier roller asy. 15/22MRK-1-17340-0

Drive pumps are Daikin Industries
From is model PV2424-502
Ser 10-RM00898

Hyd. oil = Allseason Hydrex.

June 9/10:

- loosen tracks
- rig up release for parking brakes in case of a swamp.

Sept 9/10:

- remove tank
- install box & cylinders
- repair lower cylinder ~~pan~~ locks.

Nov 18/10:

- removed box.
- wash frame.
- worked on tank.
- Al. S. cut out baffles in tank & weld plate across bottom of tank. Boxed bottom of tank to run exhaust through it.
- Mounted tank on Morooka.

Dec

- Ordered box for back of water tank from Amiot.
- install new bowie pump in box.
- rig up hydraulics from Morooka to run bowie.
- run coolant lines to pump box for heater.
- run power (keyed) to run light & heater fan in pump box.
- tied exhaust ~~to~~ from bottom of tank out into tailpipe.
- install heater in box & light.
- install grease lines for bowie.

Feb 2011:

- rewired back up lights.
- replace & adjust 2 headlights.
- brought in good power supply from behind fuse panel.
- welded broken panel behind seat for holding up computer.
- blew out cab air filter.
- built stairs & railing on tank.
- install railing & expansion metal on top of Hotbox.
- built handle for hot box.
- built cap 4 $\frac{1}{4}$ frame tube.
- built & installed hose hangers.
- built bracket for climbing front of motor & mirror bracket.

- mount 2 way radio & ant.
- mount fire extinguisher in hot box.
- mount 2 new mirrors.
- finished exhaust.
- Repair Wabasto issues (Had to mount coolant pump lower. It was losing prime.)
- Tighten ALT belt.
- Tighten fan belts.
- wash eng & front skid plate.

~~Feb~~ Feb 9 → - repair wiper arm & install new blade.

March 9/118

- install expansion mesh around top of toolbox railing.
- weld tip on exhaust.
- tighten belts on eng. (ALT & Fan.)
- wash out eng compartment.
- repair wiper arm & new wiper blade.

May 11/11:

- install muffler & build rubber mounts.

May 19/11:

- Drove to Fox Creek & used 2 5's to lift on morooka & put 7H track back on.

May 30/11:

- install chain & sprocket set up on pump drive for bowie. (stronger set up than what's on there now.)

June 2/11:

- Oil change Oil/40 @ 5665 hrs
- grease
- shut topgs to hot box.

June 10/11:

- repair back up switch on rear pump directional arm.

July 6/11:

- relocate air filter intake to have room to mount toolbox.
- replace back-up switches
- bolt down tool box on top of eng compartment

Dec 15/11:

- drop skid plate & open top for pump box heater.
- install winter front.
- install shaker clock.
- topped battery fluid.
- tie up wires by eng. exhaust.
- topped up coolant.
- Test Wabaco.

Feb 3/12:

- fished large broken steel pieces out of tank.
- disassembled back of pump & pulled out 4" long $\frac{1}{2}$ " bolt jammed in pump.

March 6/12:

- build chopper loading chute.
- install load spout to load water over back of ~~the tank~~ moroka.
- build a suction tube for honda 2" water pump.
- bolt down 2" water pump.
- cut down handrail to fit in shop
- weld support brackets on belly of tank to help with vibration.
- repair cracks in exhaust compartment under water tanks.
- install eng. muffler for summer.

May 31/12:

- replace male con. on load spout with Fen.
- pin for stairs.
- wash out pump box.
- cut larger holes for drainage in bowie pump skid.
- add 200' of 2" line in tool box.
- pick up spare forestry con.
- build step on R/H side to stand on when fuelling up 2" water pump.
- blow out cab.
- check lights & order headlamp.
- weld carry hook for front tow strap.
- wash moorooka.

June 4/12:

- replaced L/H outer headlight with new updated headlight lense ~~with~~ with bulb in back of it.

Nov 8/12:

- install & wire beacon light.
- install & wire side backup lights on front of tank.
- Oil change 5w/40 @ 5900hrs.
- add reflective tape on sides of machine.
- remove muffler & install exhaust to belly of machine.

Nov 12/12:

- new eng fuel filters -
- paint step on side of pump box.

Nov 28/12:

- install 2 new batteries -
- repair chain drive on Bowse (new master link)
- inspect coolant leak.

Dec 13/12:

- Topped Coolant -
- Test Esper heater (OK.)
- Replaced Starter.
- Weld crack in exhaust baffle on front of tank.

Jan 4/13:

- install new longer top & valve for rear box heater & Esper coolant heater.
- water pump housing cracked so ordered & replaced water pump.
- Build new set up for exhaust. Instead of routing exhaust into belly of tank it now goes into top of tank.
- cut holes in baffles in tank at top to allow exhaust to flow through tank.

Jan 17/13:

- install master switch in battery box.

Jan 21/13:

- replace inner cab door handle.

May 13/13:

- replace lower tap on coolant line to heater in rear box.
- shut off taps to back box heater.

Nov 12/13:

- Oil change 5w/40 @ 6188hrs
- grease
- test coolant
- repair wiper arm & replace wiper blade
- open taps for box heater.
- test Espar heater.
- build new Fan sprayer for rear of tank.
- check eng air Filter (OK.)

Nov 21/13:

- adjust inside door handle

Dec 9/13: @ Km 30 on rickard rd.

- replace alt.

Dec-27/13: @ Km 26 on Rickard rd.

- replaced starter
- topped with 2 gallons of coolant.

May 5/14:

- oil change 5/14 @ 6,875 hrs.
- replace upper coolant tap to rear pump box.
- new w/wiper.
- new $\frac{1}{4}$ " mirror
- install muffler.
- remove winter front.
- remove coolant overflow jug & build a new overflow tank. (old plastic one was melted.)
- test & repair hoses (3" suction lines)
- top coolant.
- new rad cap.

May 7/14:

- charge oil in striker pump 2 times.
- repair pump throttle
- new eng air filter. old one was wrong one.
- mount pump on top of box at rear of Morooka.
- build manifold for high pressure pump.
- tie in striker pressure pump to morooka water tank.
- wire in electric start for striker pump.

May 15/14:

- locate broken wire for backup alarm.
- tie in other back-up alarm switch to beeper.
- drain fuel tank & repair fuel leak at hose leaving tank.
- wash fuel leak off & bottom of eng.

May 16/14:

- install a prime line from bowie pump to striker pump.

May 20/14:

- install hard line for prime line to wildfire pump. (instead of rag line)
- install grease tube holder.
- install gauge in manifold for wildfire pump pressure.