

H02-119
SEP

INVOICE

Invoice #00882

1202 EQUIPMENT SALES INC.

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GST # 78807 1330 RT0001



Bill to: Brothers HDD

Unit# 502

Date: January 9, 2024

Description	Quantity	Unit Price	Cost
Labour	67 hrs	\$ 110.00	\$ 7370.00
Parts		\$ 7699.53	\$ 7699.53
		Subtotal	\$15,069.53
	GST	5.00%	\$ 753.48
		Total	\$15,823.01

All cheques payable to 1202 Equipment Sales Inc. Total due within 30 days. After 30 days outstanding balances will be assessed a service charge of 3% per month.

Thank you for your business!

John Deere Generator, Ser# PE4045L240084, 10610hrs.

Labour Details:

December 20th 3hrs

Made a parts/repair list and washed off the generator house.

December 22nd 9hrs

Unbolt the house from the trailer.

Brought into the shop and removed the outer shroud.

Drained the coolant and engine oil.

Removed the radiator and prepped to remove it from the fuel tank.

December 27th 9hrs

Tear down the engine, remove the pistons and liners and start prepping parts to be re installed.

Made a parts list and ordered it to be delivered tomorrow.

Installed a new belt tensioner and fan belt.

Installed a new front crankshaft seal.

December 28th 9hrs

Install the new kits, head gasket and head.

Torque everything down and fill with 20L of 15w-40 oil.

Install the items that were removed from the old head.

Installed 4 new injectors.

December 29th 6hrs

Set the valves.

Replaced the valve cover because the other one was cracked.

Washed the fuel tank and all the bolt on parts.

Washed the radiator. (Crazy dirty with oil)

Split the generator from the engine and removed the old rear crankshaft seal. (Leaking bad)

January 2nd 9hrs

Installed a new rear crankshaft seal and bolted the generator back to the engine.

Put the engine package back onto the fuel tank.

Start to bolt up the package to the house so it can be installed back onto the trailer.

January 3rd 9hrs

Filled the radiator with new 50/50 coolant and tried to pressure test the system. (Leaks)

Repaired the radiator neck, pressure tested, still leaking from multiple spots on the radiator core.

Talked to Dez and he was getting a spare repaired.

Put the package outside and ran until it was warm and checked for leaks.

One of the belt idlers was squeaking so after we ran the unit, we brought it back inside and removed the idler to re-bearing it and drained the radiator so we could remove it.

Waiting on Dez to have the radiator repaired and delivered.

January 8th 4hrs

Installed the repaired radiator onto the engine and filled it with coolant.

Installed a sight glass in the header tank so rig hands could check antifreeze level easier.

Brought the roof inside for the night.

January 9th 9hrs

Installed the roof and hooked up the exhaust.

Installed the package onto the trailer and bolted down with new hardware.

Installed the control box and rewired the generator cables back to the panel.

Ran the engine until it was hot and checked over for leaks. (None)

Tied down all the loose items so the trailer could be pulled down the road safely.