Invoice To Account No:

Deliver To:

SERVICE INVOICE

Invoice Number:	11717658
Invoice Date	09/29/2021
Location:	25
Work Order Number:	1048013
Payment Type:	I
Page:	1 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 8400R	2000	1RW8400RHJS131844	1RW8400RHJS131844	

Service Reminders:

Trip3 Retail

COMPLAINT:

01 SERVICE Call Fee 31-60 Miles from closet location

CAUSE:

CORRECTION:

FROM SULPHUR LOCATION

Job Total:

Gen- Retail

COMPLAINT:

ILS LEAKING

CAUSE:

no leaks found

CORRECTION:

machine just needed the front suspension calibrated.
hooked up to the machine and calibrated the front suspension.
customer was happy that it was just needing to be calibrated.

Miscellaneous	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
FREIGHT						

Miscellaneous Charges:

SERVICE ACCESSORIES

Labor: $ Parts: OL&M: Misc: Sub-Total: $

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Page:	2 of 2

Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No:
JOHN DEERE 8400R	2000	1RW8400RHJS131844	1RW8400RHJS131844	

Service Reminders:

Customer PO No:
Tax Exempt No:
Advisor:

Finance Information

Type: Farm Plan **Auth No:** 393576
Merchant No: 57000268
Card No:
Bill Code:
Credit Plan:

Job Total:	
Sales Tax:	
Total:	$639.62

TERMS AND CONDITIONS

This purchase(s) is subject to the terms of the Multi-Use Account, a service of John Deere Financial, f.s.b. I grant the issuer a purchase money security interest, except as limited in that agreement, in the goods described.

Received by: ..... Date: .....

Invoice To Account No: 4

Deliver To

SERVICE INVOICE

Invoice Number:	11266040
Invoice Date	11/20/2020
Location	10
Work Order Number:	958741
Payment Type:	
Page	1 of 3

Make/Model	Meter	Serial Number	EQ Id	Fleet No.
JOHN DEERE 8400R	1405	1RW8400RHJS131844	1RW8400RHJS131844	

Service Reminders:

Gen- Warranty

COMPLAINT.

02 COOLANT SURGE TANK OVERFLOWS

CAUSE·

CORRECTION.

Customer complains that the coolant surge tank overflows and the engine is using excessive oil Operator states that he is adding about 2 quarts daily. Customer had a new radiator cap and I installed it.

I rode in the tractor while the operator was plowing When we got the tractor up to about 190, the surge tank began to blow out as if it were overheating. This only seems to occur under a heavy load once the engine is at operating temp I suspect a small crack in the head that opens up when under load and at operating temp Also, there seems to be excessive blowby

Remove hood from tractor. Support front of tractor Remove ILS manifold and shield. Lower ILS suspension. Drain cooling system and engine oil Remove left and right engine covers. Remove left side fan shield. Remove retaining bolts and move fan assembly forward. Remove hydraulic line from variable fan drive Remove retaining bolts and variable drive. Disconnect fan speed sensor. Remove retaining bolts and driven fan assembly. 5 hours.

Disconnect all electrical connectors and remove engine wiring harness. Disconnect chassis wiring harness from ECU. Disconnect fuel lines from ECU. Remove retaining bolts and ECU. Remove ECU support bracket. Remove exhaust pipe from turbo. Remove dual turbo assembly. Remove exhaust manifold. Remove OCV canister and mounting bracket Remove rocker cover. 5 hours

Disconnect electrical and coolant hoses from coolant reservoir. Remove coolant reservoir and mounting bracket. Remove inlet and outlet charge air cooler hoses. Remove rocker cover Remove injector harness. Loosen rocker arm adjusting nuts. Remove rocker arm assembly. Remove fuel injector lines and transfer tubes. Remove fuel injectors. Remove EGR venturi assembly 5 hrs.

Remove egr cooler and lines. Remove egr cooler support bracket. Remove intake manifold assembly. Remove upper radiator hose. Remove thermostat and outer housing. Remove inner thermostat housing. Remove cylinder head for inspection. Send cylinder head out for inspection Inspect cylinder liners found hairline horizontal crack in cylinder #5 liner. 6 hrs

Remove rear engine side covers for access. Remove engine to transmission coupler retaining bolts. Reposition coupler towards transmission for access. Remove both upper ILS suspension accumulators for access. Remove lower hose assembly. Remove fan driven support bracket. Remove engine oil pan bolts. Utilizing lifting tool and fork lift remove engine from tractor. Place engine on roll over stand for tear down. Remove front and rear torsional dampeners 5 hrs

Remove HPCR fuel lines. Remove fuel rail Remove fuel injection pump Remove front timing cover. Remove harmonic balancer and mounting bracket. Remove variable drive spur gear Remove push rods. Remove rear crank shaft seal and retainer. Remove oil pump and sealing o-rings Remove connecting rod bolts and caps. Remove all pistons and connecting rod assemblies Remove crank shaft main cap retaining bolts and main caps. Remove crank shaft. Remove cylinder liners. Remove engine oil cooler. Remove liner sealing o-rings. Clean and inspect cylinder block for damage. Remove cam shaft and cam followers for inspection. 8 hours.

Install new main bearings in block. Install crank shaft and main bearings caps with new bearing halves. Torque new main cap bolts to spec

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		Location	10
		Work Order Number.	958741
		Payment Type:	
		Page:	2 of 3

Make/Model	Meter	Serial Number	EQ Id	Fleet No.
JOHN DEERE 8400R	1405	1RW8400RHJS131844	1RW8400RHJS131844	

Service Reminders

Install new liner o-rings. Install connecting rods to new liner piston assemblies with new wrist pin snap rings. Install new liner assemblies with new connecting rod bearings. Install rod caps and torque to specs. Install cam shaft and cam followers setting cam to crank shaft timing Install rear main seal housing with new rear main seal Install oil pump with new sealing o-rings. Reinstall oil cooler with new gaskets. 8 hours.

Install cylinder head with new head gasket. Install and perform torque turn procedure on new head bolts Install intake manifold with new gasket. Install new intake bolts perform torque turn on bolts. Install fuel injectors Install push rods Install rocker arm assembly. Install new rocker arm bolts and perform torque turn Perform valve clearance procedure. Reinstall injector wiring harness. Reinstall rocker cover with new gasket. Torque bolts to spec 7 hours

Install egr cooler mounting bracket and cooler with new sealing o-rings and retaining clamps Reinstall exhaust manifold with new gaskets and mounting bolts. Reinstall egr venturi assembly with new gaskets. Install timing cover with new gasket torque bolts Install variable drive spur gear. Reinstall mounting hub and crank shaft front balancer. Install flywheel Reinstall front and rear torsional dampeners Reinstall spur gear cover with new gasket Reinstall water pump cover with new sealing o-rings 5 hours.

Set timing and reinstall fuel injection pump. Reinstall fuel rail and fuel lines. Reinstall fuel injector lines. Clean engine oil pan. Install new pan gasket. Remove engine from roll over stand and reinstall on tractor. Reinstall oil pan bolts and torque. Reinstall suspension accumulators. Reinstall ils manifold covers. Reinstall transmission coupler bolts. Reinstall thermostat covers with new sealing orings. Reinstall upper and lower hoses. 7.5 hours

Reinstall charge air cooler inlet and outlet hoses Reinstall duel turbo assemblies. Reinstall exhaust pipe. Reinstall air cleaner to turbo hose. Reinstall ocv valve and bracket. Reinstall coolant overflow reservoir and mounting bracket. Reinstall cooling fan driven assembly Reinstall cooling fan, Reinstall variable fan drive Reinstall ecu and mounting bracket. Reconnect chassis wiring harness to ecu Install engine wiring harness. 7 5 hours.

Fill engine oil pan with break in oil Fill cooling system. Prime and bleed fuel system. Start and run tractor inspect for leaks. No leaks found. Reinstall left side fan cover. Reinstall engine rear covers. Reinstall engine front covers Reinstall right fan cover. Reinstall hood and connect hood lights wiring harness.
Verify lights operating. 4 hours.

Hook tractor to dyno. Start and run tractor Load tractor to 405 horse power for aprox. 10 minutes. Drop load to 290 horse power for aprox 1 5 hours Oil pressure remained at 50 psi and engine did not over heat. Remove dyno from tractor 2 hours.

key part# DZ110135
DIAG 3.5 hrs

PartNumber	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
DZ110430	Engine Overhaul Kit					
DZ110495	CAP SCREW					

Miscellaneous	Description
DED/SPEC ALL	DEDUCTIBLE/SPECIAL ALLOWANCE

OL&M Charges:

Description	Value
checked head	

Labor:	Parts:	OL&M:	Misc:	Sub-Total:

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Make/Model:	Meter	Serial Number:	EQ Id:	Fleet No.
JOHN DEERE 8400R	1405	1RW8400RHJS131844	1RW8400RHJS131844	

Service Reminders

Customer PO No:
Tax Exempt No:
Advisor:

Labor:	
Parts:	
OL&M:	
Misc:	
Sales Tax:	
Total:	$15,135.60

TERMS AND CONDITIONS

Received by .....

Date .....