

Invoice To Account No: 4

Deliver To:

## SERVICE INVOICE

	Invoice Number:	
	Invoice Date:	1/30/2020
	Location:	04
	Work Order Number:	
	Payment Type:	ACCOUNT
	Page:	1 of 4

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 460E	5359	1DW460ETJFF671637	1DW460ETJFF671637	

/Diagn - 1 Warranty  
CORRECTION:

Labor:	Parts: \$0.00	OL&M: \$0.00	Misc: \$0.00	Sub-Total:
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460EF4091030 Warranty

COMPLAINT:

Machine has oil in coolant

CAUSE:

Cylinder head gasket is blown

CORRECTION:

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1/30/2020

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04

Work Order Number:

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Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 460E	5359	1DW460ETJFF671637	1DW460ETJFF671637	

### 460EF4091030 Warranty DIAG ( 3.23 )

- .75- I took a coolant sample. I iopened a dtac case for the oil in the coolant.
- 1.50- I was asked to remove the oil cooler and pressure test.
- .98- I put 70 psi to the cooler in a bucket of 150 degree water It passed i was asked to remove the head per DTAC 884079

### REPAIR ( 66.48 )

- 1.0- Removed the Rear fuel lines
- 1.0- removed fuel pump.
- .75- Removed wiring harness to the dosing valve block.
- 1.0- Removed the dosing block and egr valve.
- 1.0- Removed the intake housing.
- .75- Removed the erg cooler tubes.
- 1.0- Removed the oil tubes to bolth turbos.
- 1.0- Removed the primary turbo
- 1.0- Removed the exhaust manifold bolts and studs
- .50- Removed the exhaust manifold.
- 1.0- Removed the thermo stat housing.
- .50- Removed the valve covers.
- .50- Removed the wiring harness.
- .50- Removed the valve riser.
- .50- Removed the rocker arms.
- 1.0- Removed the unit injectors.
- .50- Removed the front cover.
- .50- Removed cam shaft gear
- 1.0- Removed the cam shaft.
- 1.0- I removed the cylinder head bolts and removed cylinder head.
- 1.0- bolted down the liners. and checked piston protrusion. they were .003 to .002. ordered pip kit per dtac case 884079.
- 2.0- inspected cylinder head. I found the cylinder head cracked.
- 3.0- cleaned parts.
- 1.0- Installed new gasket and installed the cylinder head.
- 4.0- Torqued head.
- 1.0- Installed the injectors.
- 1.0- Installed the cam shaft
- 1.0- installed rocker arm assembly.
- 1.0- Installed the cam gear.
- 1.0- Set the timing and gear back lash.
- 2.5- set the valve clearance and injector preload.
- 2.0- Installed the rocker arm cover and injector wiring harness.
- 1.0- Installed the intake housing.
- 2.0- Installed the exhaust manifold.
- 2.0- Installed the turbos and tubes.
- 4.0- replaced seals and thermostats

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**SERVICE INVOICE**

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JOHN DEERE 460E	5359	1DW460ETJFF671637	1DW460ETJFF671637	

1.0- replaced seals and thermostats.  
 1.0- Installed the wiring harness.  
 1.0- Installed the fuel lines.  
 1.0- Installed the front cover.  
 4.0- Removed radiators to flush. They were packed with rubber and could not flush.  
 4.0- Replaced both radiators.  
 1.0- Replaced the heater hoses.  
 1.0- Replaced the radiator hoses.  
 3.0- Replaced the scr injector coolant hoses.  
 .50- Filled with water and flush.  
 3.0- Flushed the coolant system twice.  
 3.48- ran and tested the machine.

KEY PART DZ107052  
 MACHINE IS SOLD  
 FAILURE TYPE - LEAKING  
 FAILURE AREA - ENGINE

Part Number	Description	Quantity
AT501398	Radiator Kit	1
MPRG32472	ENGINE CYL	1
PMCC2610	Coolant flush	1
T160608	CLAMP	1
T78612	O-RING	1
TY22462	CLAMP	1
TY22467	CLAMP	1
TY26682	PLUS-50 II BULK	4
TY26873	SCAN TEST KIT	1
Miscellaneous	Description	Quantity

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**SERVICE INVOICE**

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JOHN DEERE 460E	5359	1DW460ETJFF671637	1DW460ETJFF671637	

460EF4091030 Warranty  
FREIGHT

SHIPPING &amp; HANDLING

Labor:	Parts:	OL&M: \$0.00	Misc:	Sub-Total
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Please remit payments to Murphy Tractor at the address shown on your monthly statement.

Customer PO No:
Tax Exempt No:
Advisor:

Labor:

Parts:

OL&amp;M:

Misc:

Sales Tax:

Grand Total: \$19,203.16

\*\*\* DOCUMENT COPY \*\*\*

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

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## SERVICE INVOICE

	Invoice Number:	
	Invoice Date:	5/13/2021
	Location:	01
	Work Order Number:	
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Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 460E	7114	1DW460ETJFF671637	1DW460ETJFF671637	

460EF3001009 Warranty

COMPLAINT:

FIP 19-062: E SERIES TRUCK TRANSMISSION REPLACEMENT

CAUSE:

FIP 19-062 E SERIES TRUCK TRANSMISSION REPLACEMENT

CORRECTION:

FIP 19-062: E SERIES TRUCK TRANSMISSION REPLACEMENT.

DTAC 1509811

DTAC 100211

JOHN DEERE: \$62,469.90

MURPHY TRACTOR: \$0.00

CUSOTMER: \$0.00

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
51M7040	O-RING					
51M7041	O-RING					
57M10954	ELEC. CONN					
AT346594	FLUID KIT					
AT386615	SENSOR					
AT460896	Transmission					
AT468647	OIL FILTER					
AT475527	Software					
OMT329825X19	OPERATOR'S MANUAL					
R105415	O-RING					
R114105	SCREW					
T329824X19	UPTIME MAINTENANCE PLANNER					
T414989X19	LABEL					
T414994X00	LABEL					
T77613	O-RING					
T77858	O-RING					

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5/13/2021

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01

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Fleet No:

JOHN DEERE 460E

7114

1DW460ETJFF671637

1DW460ETJFF671637

460EF3001009 Warranty

T78612

O-RING

TY27743

Oil

Please remit payments to Murphy Tractor at the address shown on your monthly statement.

Customer PO No:

Tax Exempt No:

Advisor:

Labor:

Parts:

OL&M:

Misc:

Sales Tax:

Grand Total: \$91,325.32

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### TERMS AND CONDITIONS

Receipt of above described merchandise and/or labor at prices specified is hereby acknowledged. In the event the same is not fully paid in 30 days, I agree to pay a monthly periodic finance charge at the rate of 1.5% which is an annual rate of 18% on unpaid balances.

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