



Murphy Tractor & Equipment Co., Inc.
 10893 112 Rd
 PO Box 1760
 Dodge City, KS 67801
 Phone: 620-227-3139
 Toll Free: 800-794-0172



SERVICE INVOICE

Invoice To Account No: 5304111

Deliver To:

UNRUH SAND & GRAVEL OWNER RANDY UNRUH BOX 462 COLDWATER KS 67029-0462 Bus Phone: 620-546-5310 Prv Phone: (620)582-2859	UNRUH SAND & GRAVEL HWY 183 N COLDWATER KS 67029 Bus Phone: (620)546-5310 Prv Phone: (620)582-2859	Invoice Number: 793343 Invoice Date: 8/21/2017 Location: 05 Work Order Number: 167518 Payment Type: Check Page: 1 of 5
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Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 850J	2384	T0850JX135351	850JUNRUH	

/Travel - 1 Retail

COMPLAINT:

01 Travel, to and from field service jobsite

CORRECTION:

TRAVEL TO MACHINE AND TO THE HOUSE FOR THE NIGHT. T530 6-28-17 70 MILES TOTAL
 TRAVEL TO MACHINE AND BACK TO THE SHOP. T530 6-30-17 64 MILES TOTAL

Job Total: \$1,336.42

/Diagn - 1 Retail

COMPLAINT:

CAMSHAFT SENSOR CODE//EXCESSIVE SMOKE

CAUSE:

EITHER CAMSHAFT TIMING GEAR SLIPPED OR VALVE DROPPED ON TOP OF PISTON CAUSING DAMAGE.

CORRECTION:



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/Diagn - 1 Retail

CHECKED OVER MACHINE. COOLANT IS LOW. EGR COOLER POSSIBLY LEAKING COOLANT INTO THE INTAKE. ENGINE WON'T TURN OVER BY HAND OR WITH THE STARTER. TALKED OVER WAYS TO REPAIR MACHINE WITH CUSTOMER.

T530 6-28-17

PULLED DOZER OFF TRAILER, PUSHED DOZER INTO WASH BAY, PULLED BELLY PLATES, SIDE DOORS, AND WASHED OUT ENGINE COMPARTMENT, T534 DOUG 6-30-17

DRAINED RADIATOR, WASHED COOLANT OUT, WENT TO PULL MACHINE OUT OF WASH BAY, BATTERIES WERE DEAD, NEED POWER TO RELEASE PARK BRAKE TO PULL AROUND INTO SHOP T534 DOUG 7-3-17

DRAINED MACHINE AROUND WITH 1050K, PUSHED DOZER IN THE SHOP WITH LOADER, CLEANED UP WASH BAY, PULLED HOOD, AIR CLEANER, AND VALVE COVER, FOUND ROCKER SHAFT BENT REAL BAD, NO. 2 PISTON

CONTACTED VALVE. BROKE ROCKER ARM SHAFT. T534 DOUG 7-3-17

REMOVED LIMB GAURD, REMOVED ENGINE HARNESS, REMOVED FIREWALL, REMOVED COOLANT AND HYDRAULIC LINES, REMOVED HYDRAULIC PUMP OFF FRONT OFF ENGINE, REMOVED ALTERNATOR, JACKED CAB IN AIR,

REMOVED HYDROSTAT FROM ENGINE, PULLED ENGINE, PULLED VALVE COVER HOUSING, PULLED OFF HEAD.

FOUND VALVE SMASHED NO. 2 PISTON, 3 4 AND 6 PISTONS ALSO CONTACTED VALVES, REMOVED FUEL LINES, EXHAUST MANIFOLD, TURBO, DUMPED OILS CLEANED UP BAY T534 DOUG

PULLED OFF FRONT DAMPNER PULLEY, PULLED SEAL, PULLED OFF FRONT TIMING COVER, FOUND GEAR ON CRANKSHAFTS SPUN, PULLED OFF OIL PAN, PULLED OFF WATER PUMP, PULLED CAM SHAFT, LOOKED UP

OVERHAUL KIT, NO 1 CYLINDER LINER BROKE. NOTIFIED HARRY ON DAMAGE, CLEANED UP BAY T534 DOUG 7-6-17

CUSTOMER DECIDED TO GO WITH A COMPLET REMAN ENGINE FROM DEERE. RESEMBLED OLD ONE FOR CORE CREDIT.

INSTALLED HEAD GASKET, HEAD, AND OIL PAN, INSTALLED INTAKE HOUSING, INSTALLED ROCKER ARM SHAFT, PUSH RODS, INJECTORS, FEED TUBES, BRIGERS, AND VALVE COVER. T534 DOUG 7-10-17

INSTALLED FUEL LINES, DRAINED FUEL FILTERS FOR SHIPPING, INSTALLED OIL FILTER, CLEANED UP BAY T534 DOUG 7-10-17

Labor: \$3,004.35	Parts: \$0.00	OL&M: \$0.00	Misc: \$0.00	Sub-Total: \$3,004.35
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850JF4001010 Retail

COMPLAINT:

03 COMPLETE ENGINE - INCLUDES PARTS TRANSFER

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850JF4001010 Retail

006. UNITS.

INSTALLED FLYWHEEL, BELL HOUSING, STARTER, DOPED WATER FITTINGS AND INSTALLED FITTINGS, INSTALLED ENGINE, INSTALLED HYDRO HOUSING TO ENGINE TORQUED DOWN BOLTS, INSTALLED ALTERNATOR, PULLEYS, COMPRESSOR, AND STARTED INSTALLING ENGINE HARNESS, CLEANED UP BAY T534 DOUG 7-19-17
 INSTALLED ENGINE HARNESS, FIRE WALL DIVIDER, FUEL LINES, OIL PUMP, HYDRAULIC AND ELECTRICAL CLAMPS DOWN FRAME RAIL, CLEANED UP BAY T534 DOUG 7-20-17
 INSTALLED COOLANT LINES, HEATER HOSES, INSTALLED BELT, ORDERED NEW HOSE FOR AIR TO AIR COOLER RUBBER WAS JUST ABOUT WORN ALL THE WAY THROUGH, ORDERED NEW HOSE CLAMPS THAT WERE RUSTY AND BAD, INSTALLED COMPRESSOR, CLEANED UP BAY T534 DOUG 7-20-17
 INSTALLED BELLIES PLATES, INSTALLED COOLANT HOSES, FILLED MACHINE WITH BREAK IN OIL, FILLED MACHINE WITH COOLANT, SCREWED IN MULTI FUNCTION VALVES, LOWERED CAB, CHANGED AIR TO AIR ELBOW HOSE, CHANGED COOLANT AND AIR TO AIR HOSE CLAMPS THAT WERE BAD, CHARGED BATTERIES, CLEANED UP TOOLS, TRIED TO START MACHINE, MACHINE WOULD NOT START, PULLED OF STARTER AND BENCH TESTED IT, STARTER IS LOCKED UP, ORDERED NEW STARTER, CLEANED UP BAY T534 DOUG 7-21-17
 INSTALLED NEW STARTER, STARTED CHARGING BATTERIES, T534 DOUG 7-24-17
 TOPPED OFF TRANSMISSION, WITH 5 QTS OF HYDRAU, RAN MACHINE, ONCE MACHINE PRESSURED UP DRAIN COCK ON RADIATOR STARTED LEAKING, CHANGED DRAIN COCK, FILLED MACHINE BACK UP WITH ANTIFREEZE RAN MACHINE, CALIBRATED VGT TURBO, AND EGR, PULLED MACHINE AROUND TO WASH BAY, WASHED OUT ANTIFREEZE, INSTALLED ENGINE DOORS, CLEANED UP BAY T534 DOUG 7-24-17

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
AT13740	DRAIN VALV	1.00	4.40	4.40	\$4.40	Y
AT300487	FILTER ELE	1.00	57.93	57.93	\$57.93	Y
AT314583	FILTER ELE	1.00	38.40	38.40	\$38.40	Y
PM37397	SEALANT	1.00	18.32	18.32	\$18.32	Y
RE19429	CLAMP	1.00	23.69	23.69	\$23.69	Y
RE52702	CLAMP	4.00	16.02	16.02	\$64.08	Y
SE501406	STARTER	1.00	611.31	611.31	\$611.31	Y
SE501406-CR	CORE for:Starter Motor Reman	-1.00	10.00	10.00	(\$10.00)	Y
SE501910		1.00	25,476.56	25,476.56	\$25,476.56	Y
SE501910-CR		-1.00	3,300.00	3,275.00	(\$3,275.00)	Y
<i>Comments: CORE CREDIT DEERE ISSUED WAS 3275.00 SE CR MEMO 149400</i>						
T208360		1.00	58.96	58.96	\$58.96	Y
TY15949	REFRIGERAN	2.00	12.57	12.57	\$25.14	Y



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Miscellaneous	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
850JF4001010 Retail						
TY26576	COOL-GARD II, PRE-MIX, 2.5 G	6.00	32.67	32.67	\$196.02	Y
TY26661	ENGINE BREAK	6.00	20.22	20.22	\$121.32	Y
TY27369	Hydraulic Oil//HYDRAU	5.00	3.58	3.58	\$17.90	Y
FREIGHT	FREIGHT & SHIPPING	1.00	14.83	14.83	\$14.83	Y
Labor: \$2,629.13		Parts: \$23,429.03		OL&M: \$0.00		Misc: \$14.83
						Sub-Total: \$26,072.99

850JF852594 Retail
 COMPLAINT:
 04 FRONT CROSSBAR PIN -REPLACE

CORRECTION:
 001. INCL: R&R SPRING COVER; TRANSFER UPPER IDLER ASSEMBLY. ADJUST TRACK
 JACKED FRONT OF MACHINE UP, BEAT PIN IN, REPLACED RETAINER BUSHING AND BOLT, T534 DOUG 7-11-17
 BEAT DOWN CROSSBAR FRAME, WELDED CROSSBAR FRAME, CLEANED UP BAY T534 DOUG 7-12-17

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
T176064	BUSHING	1.00	17.89	17.89	\$17.89	Y
Labor: \$335.45		Parts: \$17.89		OL&M: \$0.00		Misc: \$0.00
						Sub-Total: \$353.34

/Diagn - 2 Retail
 COMPLAINT:
 NEW REMAN HAS LOW FUEL PRESSURE

CORRECTION:
 MACHINE IS THROWING ECU CODE 1347.07 FOR FUEL RAIL PRESSURE MISMATCH AT START-UP. ACTUAL RAIL PRESSURE IS TOO HIGH AT START UP. REPLACED SUCTION CONTROL VALVE ON FUEL PUMP. PRESSURE IS CLOSER TO SPEC BUT STILL TOO HIGH. MADE DTAC CASE FOR REMAN ENGINE ISSUES. DTAC CASE # 22009. FOLLOWED DTAC ADVISE ON CHECKING THE FUEL RAIL PRESSURE SENSOR. SENSOR IS OK AND WORKING PROPERLY. REPROGRAMMED ECU PAYLOAD WITH REMAN ENGINE SPECS WITH DTAC'S HELP. AFTER EVERYTHING WAS CURRENT THE CODE AND ALL ISSUES WENT AWAY. RAN MACHINE. ALL OK. T530 7-25-17

Part Number	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
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/Diagn - 2 Retail
 DZ105071 1.00 541.56 541.56 \$541.56 Y

Labor: \$621.75 Parts: \$541.56 OL&M: \$0.00 Misc: \$0.00 Sub-Total: \$1,163.31

Miscellaneous Charges:
 Service Accessories \$150.00

Customer PO No:	
Tax Exempt No:	ON FILE
Advisor:	HARRY PEGRAM

*** DOCUMENT COPY ***

Job Total: \$32,080.41
 Sales Tax: \$2,406.49
 Grand Total: \$34,486.90

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: