

Midwest Machinery Co.
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.mmcjd.com



JOHN DEERE

Invoice To Account No:

SERVICE INVOICE

GAIL ROEBKE
48339 US HIGHWAY 212
PO BOX 597
HECTOR MN 55342
Phone
Number:

(320)848-6666

Invoice Number: **10100707**
Invoice Date: 6/23/2024
Location: 03
Work Order Number: 881416
Payment Type: Pre-Paid

Page: 1 of 1

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE S680	2606	1H0S680SLC0747226	1H0S680SLC0747226	

/FIELD-COMBINE-INSP

COMPLAINT:
03 FIELD TEAM COMBINE INSPECTION

WARRANTY START DATE ON WORK PERFORMED - JUNE 1ST.

COMBINE INSPECTION LIST LOCATED ON MMC CONNECT
OFFSEASON INSPECTION PROGRAM

CORRECTION:
SEPARATOR HOURS:

This Work Has Been Pre Paid As Part of
Agreement Number:2022762503

Customer PO No:
Tax Exempt No: 17ST3-LOCM
Advisor: 110

Job Total: \$525.00

*** DOCUMENT COPY ***

*\$680 COMBINE
\$90,000 NEW ENGINE
WORK ORDER
NEW ENGINE @ 2606 HRS!*

TERMS AND CONDITIONS

Terms are Net 30. A finance charge of 1 1/2% per month (18% annual percentage rate) will be added to all past due invoices except where prohibited by law. All returned checks are subject to a \$30.00 returned check fee.

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Page: 1 of 7

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE S680	2606	1H0S680SLC0747226	1H0S680SLC0747226	

Gen- Retail

COMPLAINT:

01 General Repairs - ENGINE IS MAKING NOISE.
1.4

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Gen- Retail

OLD ENGINE SERIAL NUMBER - RG6135R006105
NEW ENGINE SERIAL NUMBER - SE6135R010520

-DRIVE TO LOCATION
-CK ENGINE/OIL LEAK
-DISCOVERED HOLES IN ENGINE BLOCK
-PREPPED FOR TRUCKING - SWUNG IN AUGER, FOLDED IN GRAIN TANK, DISCONNECTED HEADER, REMOVED DRIVE SHAFT
-DRIVE SHAFT PARTS ARE OUTSIDE MATT'S OFFICE ON TABLE
- PUSHED INTO SHOP.
DRAINED ENGINE OIL AND COOLANT FROM MACHINE
REMOVED ALL SHIELDING AROUND ENGINE
DISCONNECTED INTAKE AND EXHAUST TUBING, COOLANT HOSES, AND HARNESSSES
REMOVED TOP HALF OF FAN SHROUD
REMOVED FAN AND ALL BELTS FROM FRONT OF ENGINE
REMOVED BELT PULLEY ASSEMBLIES
INSTALLED LIFTING STRAPS AND SPREADER BAR
RAISED REAR OF MACHINE AND REMOVED REAR TIRES
LOWERED AXLE TO GROUND
REMOVED ALL MOUNTING BOLTS FOR ENGINE AND SPLIT FROM ENGINE GEARCASE
REMOVED FAN HUB FROM FRONT COVER TO GAIN ROOM
RAISE ENGINE AND MOVED TO REAR OF FUEL TANK
BROUGHT FORKLIFT IN AND STACKED BLOCKS ON FORKS UNTIL TIGHT WITH SPREADER BAR
RAISED ENGINE WITH FORKLIFT AND REMOVED FROM COMBINE
SET ENGINE ON BLOCKS AND SET NEW ENGINE NEXT TO IT
CLEANED AND SWAPPED OVER HEATER HOSE FITTINGS, FLYWHEEL, ETHER HOSE CONNECTION, BLOCK HEATER, STARTER, AND REAR SPACER PLATE
INSTALLED NEW DRIVE COUPLER, FLYWHEEL BEARING, AND DOWEL PINS
CLEANED OUT ENGINE GEARCASE HOUSING AND REMOVED SEAL PLATE
CLEANED ALL GASKET MATERIAL, REPLACED SEAL, AND REINSTALLED SEAL PLATE
CHECKED ALL BEARINGS AND REPLACED TWO TENSIONERS AND TWO IDLERS
RECOVERED AC SYSTEM, REPLACED COMPRESSOR AND RECEIVER DRIER, FLUSHED SYSTEM, AND CHARGED
REMOVED ROTARY SCREEN JACKSHAFT, REPLACED ALL BEARINGS, AND REINSTALLED
CLEANED AND CHECKED OTHER COMPONENTS FOR DAMAGE BEFORE INSTALLING ENGINE
LIFTED ENGINE WITH FORKLIFT AND MOVED OVER FUEL TANK
RAISED WITH HOIST OVER ENGINE MOUNTS
RAISED REAR OF MACHINE UNTIL ENGINE DOWEL PINS WERE LINED UP WITH GEARCASE
CONNECTED ENGINE TO GEARCASE AND INSTALLED FRONT ENGINE MOUNTS
TORQUED ALL MOUNTING BOLTS
RAISED REAR OF MACHINE, INSTALLED REAR WHEELS, AND TORQUED
INSTALLED FAN HUB AND TENSIONER ASSEMBLIES WITH NEW BELTS
INSTALLED FAN AND FAN SHROUD
RECONNECTED ALL HARNESSSES, INTAKE AND EXHAUST TUBES, AND COOLANT HOSES REPLACING THE RADIATOR HOSES
CLEANED AND INSTALLED ALL SHIELDING AROUND ENGINE

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JOHN DEERE S680	2606	1H0S680SLC0747226	1H0S680SLC0747226	

FILLED ENGINE WITH COOLANT AND BREAK IN OIL
RECONNECTED FRONT DRIVESHAFTS
STARTED MACHINE AND CHECKED FOR LEAKS
DROVE OUTSIDE AND OPENED GRAIN TANK COVERS
REMOVED ALL GRAIN TANK CLEAN OUTS AND ALL OTHER DIRTY SHIELDS IN PREP FOR WASHING
MONITORED FLUID LEVELS AND KEPT TOPPED OFF

WENT THROUGH INSPECTION WITH CUSTOMER

TORQUED FEEDERHOUSE SLIP CLUTCH NUT AND INSTALLED NEW COTTER PIN

FLIPPED AND TORQUED ALL FEED ACCELERATOR WEAR STRIPS

PERFORMED CONCAVE CALIBRATION

BENT CHAFFER LOUVERS STRAIGHT

HAMMERED CHOPPER JACKSHAFT DRIVE BELT TENSIONER TO GET IT TO MOVE AFTER SPRING TENSION WAS RELEASED
USED PENETRATING OIL AND HAMMERED TENSIONER BACK AND FORTH TO TRY AND FREE UP
TENSIONER DID NOT FREE UP
TRIED REMOVING TENSIONER BUT IT WOULD NOT COME FREE OF THE SHAFT
USED AIR HAMMER TO VIBRATE SHAFT AND TENSIONER CAME OFF BUT SHAFT CRACKED ON THE E-CLIP SLOT
ORDERED NEW SHAFT, BUSHINGS, AND SEALS
REMOVED SHAFT
REPLACED BUSHINGS AND SEALS IN TENSIONER AND GREASED
TEST FIT ON SHAFT
INSTALLED SHAFT AND TENSIONER
TENSIONED BELT

SET ELEVATOR CHAIN TENSIONS
LOOSENEED EXHAUST PIPE END AND STRAIGHTENED

CLEANED CAB AIR FILTER

TIGHTENED DOOR HANDLE IN CAB

REPLACED BROKEN TAILINGS ELEVATOR DOOR LATCH

TENSIONED ALL BELTS AND CHAINS, GREASED, AND INSTALLED SHIELDS

REINSTALLED DUAL TIRES ON MACHINE

TEST RAN MACHINE

WENT THROUGH REPAIRS WITH CUSTOMER

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Gen- Retail

Part Number	Description	Quantity	List Price	Extended Price	Taxed Ind
11M7032	M5 x 50 CP	1.00	0.81	\$0.78	N
12H246	#10 LOCK WAS	1.00	0.10	\$0.10	N
14M7297	M5 NUT	1.00	0.24	\$0.24	N
14M7298	M8 FLG NUT	5.00	1.19	\$5.95	N
19M7866	M8 x 20 FLG	5.00	1.43	\$7.15	N
21M7265	M5 x 12 CYL Head Screw	1.00	0.61	\$0.60	N
51M7045	O-RING	1.00	2.92	\$2.92	N
51M7047	O-RING	2.00	4.62	\$9.24	N
51M7089	O-RING	1.00	2.30	\$2.30	N
51M7090	O-RING	1.00	2.23	\$2.23	N
AA5607R	OIL SEAL	2.00	6.30	\$12.60	N
AH222795	Sealing Washer	1.00	3.85	\$3.31	N
AH223951	Coupling	1.00	2,382.08	\$2,247.24	N
AH232714	Belt Tensioner	1.00	225.95	\$213.15	N
AL232179	Compressor	1.00	461.28	\$435.16	N
AN33120	Ball Bearing	1.00	77.79	\$73.40	N
AXE11579	Air Intake	1.00	102.56	\$96.76	N
AXE12045	Plate	1.00	392.93	\$392.93	N
AXE21096	Pulley	1.00	115.86	\$109.29	N
AXE21209	PULLEY	1.00	227.49	\$218.74	N
AXE21212	BELT TENS	1.00	322.76	\$304.50	N
AXE53638	Receiver-Dryer	1.00	93.18	\$93.18	N
AZ10044	LOCK COLLAR	2.00	11.02	\$20.80	N
CE20231	Gasket	1.00	29.54	\$29.54	N
DE32663	Seal	1.00	116.64	\$110.05	N
H103264	PRESSED FL	4.00	3.00	\$11.32	N
H161342	LEVER	1.00	31.23	\$31.23	N

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JOHN DEERE S680 2606 1H0S680SLC0747226 1H0S680SLC0747226

Gen- Retail

H171061	BEARING	2.00	10.40	\$20.80	N
H238831	V-Belt	1.00	45.84	\$45.84	N
H238867	V-BELT	1.00	28.51	\$28.51	N
H238996	Hose	1.00	77.63	\$76.85	N
H79910	DOWEL PIN	2.00	9.48	\$17.90	N
HXE11090	FILTER	1.00	248.77	\$248.77	N
HXE11091	Filter	1.00	175.53	\$175.53	N
HXE17089	Hose	1.00	80.25	\$77.16	N
HXE29676	HOSE	1.00	112.07	\$108.81	N
HXE29677	Hose	1.00	142.17	\$142.17	N
HXE32548	V-BELT	1.00	49.85	\$49.85	N
HXE52390	OIL TUBE	1.00	121.18	\$121.18	N
HXE93567	BALL BEARI	2.00	49.28	\$92.98	N
L202827	SEALING WA	1.00	1.90	\$1.80	N
R116911	CAP SCREW	12.00	5.83	\$66.12	N
R183409	O-RING	2.00	1.53	\$3.06	N
R264946	COVER	1.00	27.03	\$27.03	N
R320565	Gasket	1.00	11.78	\$11.78	N
R44302	TIE BAND	15.00	0.40	\$6.00	N
R522023	Gasket	1.00	39.19	\$36.98	N
R528625	GASKET	1.00	62.40	\$58.88	N
R529640	Gasket	1.00	42.62	\$40.21	N
RE52702	CLAMP	1.00	20.34	\$19.18	N
RE52703	HOSE CLAMP	4.00	22.15	\$85.88	N
SE502749	Diesel Engine Reman	1.00	74,442.27	\$71,431.43	N
TY22467	CLAMP	1.00	1.49	\$1.45	N
TY25600	ACC-U-FLUSH II (QT)	1.00	80.09	\$77.77	Y
TY26663	OIL-BREAK-IN (5GALLON)	2.00	140.02	\$280.04	N

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Gen- Retail

TY27355	AIR CONDIT AC FLUSH	1.00	50.92	\$34.55	Y	
Z104929	Hose	1.00	50.36	\$47.51	N	
134DYE	AC LEAK DYE	1.00	5.46	\$5.46	N	
951105	#10 HS Ring Terminal 20-18 Ga	1.00	0.71	\$0.71	N	
952105	#10 HS Ring Terminal 16-14 Ga	1.00	0.60	\$0.60	N	
TY15951	R134A FREON SHOP (OZ)	96.00	1.58	\$151.68	N	
TY26577	PREMIX ANTI-FREEZE SHOP (QT)	84.00	3.93	\$330.12	N	
ZEP	ZEP BRAKE CLEANER	4.00	3.76	\$15.04	N	

Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
S3970F	FIELD TEAM LABOR CREDIT	1.00	0.00	(\$525.00)	N

OL&M Charges:

Description	Value
REMOVE DUALS	\$385.00

Labor: \$12,210.90	Parts: \$78,374.34	OL&M: \$385.00	Misc: (\$525.00)	Sub-Total: \$90,445.24
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/HAULINGEQUIPMENT Retail

COMPLAINT:
02 HAULING
Load# 26935 - Hauled in 10/5/23
Needed to be winched on

CORRECTION:

Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
HAUL SEMI	HAULING SEMI-STEWART	3.50	175.00	\$612.50	N

Labor: \$0.00	Parts: \$0.00	OL&M: \$0.00	Misc: \$612.50	Sub-Total: \$612.50
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PROMO WASH Retail

COMPLAINT:
04 WASHING FOR SERVICE SPECIALS

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PROMO WASH Retail

CORRECTION:

Friday, June 7, 2024 10:04 AM - T380

- Washed combine to get rid of oil residue and to get ready to be inspected

Miscellaneous	Description	Quantity	List Price	Extended Price	Taxed Ind
S3971	PROMO WASH	1.00	0.00	(\$480.00)	N
Labor: \$480.00	Parts: \$0.00	OL&M: \$0.00	Misc: (\$480.00)	Sub-Total: \$0.00	

INVOICE CONTAINS \$3,288.77 DISCOUNT

Miscellaneous Charges:

Enviromental Fee \$25.00
Shop Supplies \$75.00

Customer PO No:
Tax Exempt No: 17ST3-LOCM
Advisor: 110

*** DOCUMENT COPY ***

Labor: \$12,690.90
Parts: \$78,374.34
OL&M: \$385.00
Misc: (\$292.50)
Sales Tax: \$8.29
Grand Total: \$91,166.03

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