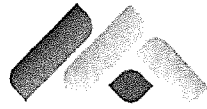


Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.midwestmachineryco.com



JOHN DEERE

Invoice To Account No: 309540

SERVICE INVOICE

DONN BEMIS
85445 COUNTY ROAD 24
BUFFALO LAKE MN 55314
Phone
Number:

320-833-2270

Invoice Number: **2062818**
Invoice Date: 12/23/2019
Location: 03
Work Order Number: 345904
Payment Type: Finance

Page: 1 of 6

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

Gen- Retail

COMPLAINT:

01 General Repairs - CHECK FRONT AXLE BEARINGS

CORRECTION:

Ad 12-30-19
9630 Tractor repair

Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



Invoice To Account No: 309540

SERVICE INVOICE

DONN BEMIS 85445 COUNTY ROAD 24 BUFFALO LAKE MN 55314 Phone Number: 320-833-2270		Invoice Number: 2062818 Invoice Date: 12/23/2019 Location: 03 Work Order Number: 345904 Payment Type: Finance Page: 2 of 6		
Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

Gen- Retail

drove tractor into shop
axle lube pressure code would come on when driving. also had ccu 524068.01 stored
oil was leaking from front lh axle seal
jacked up tractor and found axle bearing was bad
drained oil from front axle and it had a lot of fine metal in it
drained transmission and rear axle, did not find any debris in them but oil was dark and could see silver in it
jacked up front of tractor and removed all wheels
removed axle driveshaft and all hoses
removed front axle from tractor
mounted it in stand and removed both final drives
found the inner bearing on LH side was completely destroyed
disassembled final drive, and inspected parts
all gears had some damage from metal going through them, axle shaft was bad from bearing spinning on it, axle housing was also bad from planetary rubbing on it
looked up parts and made estimate
ordered needed parts after talking with customer

installed new bearings and housing on new axle shaft and adjusted bearings
removed all gears from first planetary carrier and installed new gears and needle bearings
installed new gears onto new second planetary carrier
installed new ring gear in axle housing and reinstalled planetary in housing
disassembled RH final drive and inspected parts
all gears looked good, just removed and replaced bearings
reassembled final drive

disassembled center section of axle and removed differential
removed and replaced bearings in differential
disassembled pinion shaft and replaced bearings in it
adjusted bearings in pinion shaft and reinstalled in center section
adjusted differential bearings and checked and adjusted backlash and gear contact pattern on ring gear

reinstalled final drive to center section and reinstalled axle into tractor
hooked up drive shaft and all hoses
reinstalled all hubs, spacers and wheels

jacked up rear of tractor and removed all rear wheels, spacers and hubs
removed rear axle from tractor
removed final drives and disassembled center section
replaced all bearings and races in differential
sealing ring groove in bearing holder for differential broken when pulling old bearing off
looked up and ordered new part
reassembled and adjusted differential
disassembled both final drives and inspected parts, all looked ok

Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.midwestmachineryco.com



JOHN DEERE

Invoice To Account No: 309540

SERVICE INVOICE

DONN BEMIS 85445 COUNTY ROAD 24 BUFFALO LAKE MN 55314 Phone Number: 320-833-2270	Invoice Number: 2062818 Invoice Date: 12/23/2019 Location: 03 Work Order Number: 345904 Payment Type: Finance Page: 3 of 6
---	--

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

disassembled both final drives and inspected parts, all looked ok
replaced and adjusted bearings and reassembled final drives
reinstalled final drives to center section and torqued all bolts
reinstalled in tractor
reinstalled rear hubs, spacers and wheels

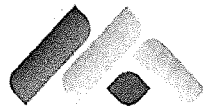
removed sump screen and flushed out transmission case with solvent to try and remove any debris
installed new trans and axle filters
removed and replaced brake hose from rear axle to brake valve that was damaged while removing axle
removed axle scavenge pump from rear of transmission and disassembled
inside of pump looked ok so reassembled it and reinstalled on transmission

filled transmission with new oil
ran tractor and rechecked level

Part Number	Description	Quantity	List Price	Extended Price	Taxed Ind
08H4219	5/8x 10 1/2	2.00	7.69	\$15.38	N
14H1039	5/8 NUT	2.00	1.84	\$3.68	N
19H3650	5/8x11	2.00	15.77	\$31.54	N
19H3707	Cap Screw	12.00	5.22	\$62.64	N
F2380R	WASHER	12.00	1.77	\$21.24	N
R109867	Pin Fastener	5.00	2.70	\$13.50	N
R112079	Thrust Washer	20.00	23.67	\$473.40	N
R135543	WASHER	96.00	1.09	\$104.64	N
R168163	BUSHING	4.00	99.44	\$397.76	N
R207832	CAP SCREW	96.00	11.30	\$1,084.80	N
R228931	Spur Gear	5.00	414.82	\$2,074.10	N
R228933	Spur Gear	5.00	625.80	\$3,129.00	N
R228934	Ring Gear	1.00	2,138.37	\$2,138.37	N
R242376	Sealing Ring	4.00	34.49	\$137.96	N
R244602	O-Ring	6.00	25.97	\$155.82	N
R249513	Needle Roller	435.00	0.60	\$261.00	N
R251685	Sun Gear	1.00	857.81	\$857.81	N

CONTINUED ON NEXT PAGE-->

Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.midwestmachineryco.com



JOHN DEERE

Invoice To Account No: 309540

SERVICE INVOICE

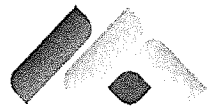
DONN BEMIS 85445 COUNTY ROAD 24 BUFFALO LAKE MN 55314 Phone: Number: 320-833-2270	Invoice Number: 2062818 Invoice Date: 12/23/2019 Location: 03 Work Order Number: 345904 Payment Type: Finance Page: 4 of 6
---	---

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

Gen- Retail					
R257680	Planet Pinion Carrier	1.00	1,267.97	\$1,267.97	N
R257682	Shaft	5.00	71.27	\$356.35	N
R257683	Shaft	5.00	203.85	\$1,019.25	N
R257819	Ring	13.00	3.27	\$42.51	N
R263461	Snap Ring	1.00	20.52	\$20.52	N
R263462	Thrust Ring	1.00	21.54	\$21.54	N
R271501	Bearing Cup	2.00	44.16	\$88.32	N
R273060		2.00	43.55	\$87.10	N
R273061	Bearing Cone	4.00	81.22	\$324.88	N
R277669	Washer	5.00	17.49	\$87.45	N
R290351	Spacer	2.00	22.85	\$45.70	N
R300031	Sun Gear	1.00	730.93	\$730.93	N
R304673	Bearing Cup	2.00	25.94	\$51.88	N
R305032	Spacer	2.00	13.78	\$27.56	N
R346226	Shaft	1.00	2,133.46	\$2,133.46	N
R375R	PACKING	2.00	1.27	\$2.54	N
R39322	SEAL RING	6.00	20.30	\$121.80	N
R47151	O-RING	1.00	1.71	\$1.71	N
R59439	SHIM	5.00	2.84	\$14.20	N
R59440	SHIM	4.00	4.60	\$18.40	N
R61461	SHIM	2.00	2.23	\$4.46	N
R63237	SHIM	4.00	10.19	\$40.76	N
R69549	PLATE	2.00	21.34	\$42.68	N
R72232	BALL	8.00	0.59	\$4.72	N
R79989	SHIM	6.00	3.52	\$21.12	N
R81162	BOLT	4.00	26.65	\$106.60	N

CONTINUED ON NEXT PAGE->

Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.midwestmachineryco.com



JOHN DEERE

Invoice To Account No: 309540

SERVICE INVOICE

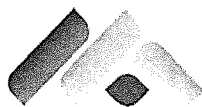
DONN BEMIS 85445 COUNTY ROAD 24 BUFFALO LAKE MN 55314 Phone Number: 320-833-2270	Invoice Number: 2062818 Invoice Date: 12/23/2019 Location: 03 Work Order Number: 345904 Payment Type: Finance Page: 5 of 6
--	---

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

Gen- Retail					
R93623	Thrust Washer	2.00	24.97	\$49.94	N
RE174130	HYD FILTER	1.00	85.71	\$85.71	N
RE191816	SEAL	4.00	209.53	\$838.12	N
RE284771	Bearing Housing W/O Bearing	1.00	379.04	\$379.04	N
RE292203	Housing	1.00	5,919.95	\$5,919.95	N
RE293316	TAPERED RO	5.00	254.45	\$1,272.25	N
RE304674	Bearing Cone	2.00	27.22	\$54.44	N
RE305950	Shim Kit	1.00	63.62	\$63.62	N
RE48761	TAPERED RO	2.00	607.50	\$1,215.00	N
RE578425	Bearing Cone	4.00	405.62	\$1,622.48	N
TY6341	SD POLY GREASE	1.00	4.41	\$4.41	N
U42016	CO-Ring	2.00	6.34	\$12.68	N
X1J743-6-6	11/16 FFSF E	1.00	20.53	\$20.53	N
X1JC43-6-6	HOSE FITTI	1.00	8.67	\$8.67	N
X471TC-6-RL	Bulk Hose	161.00	0.54	\$86.94	N
YZ502166	SEAL	2.00	36.11	\$72.22	N
YZ502378	OIL FILTER	1.00	83.40	\$83.40	N
9639	18" Black Zip Tie	8.00	0.23	\$1.84	N
AR69445	HYGARD SHOP OIL (QT)	108.00	3.02	\$326.16	N
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
P3750	FREIGHT	2.00	421.01	\$842.02	N

CONTINUED ON NEXT PAGE-->

Midwest Machinery Co.
PO Box 197
78412 County Rd. 20
Stewart, MN 55385
Phone: (320) 562-2630



MIDWEST
MACHINERY CO

www.midwestmachineryco.com



JOHN DEERE

Invoice To Account No: 309540

SERVICE INVOICE

DONN BEMIS
85445 COUNTY ROAD 24
BUFFALO LAKE MN 55314
Phone
Number:

320-833-2270

Invoice Number: **2062818**
Invoice Date: 12/23/2019
Location: 03
Work Order Number: 345904
Payment Type: Finance
Page: 6 of 6

Make/Model:	Meter:	Serial Number:	Eq ID:	Fleet No:
JOHN DEERE 9630	3683	RW9630P013174	DBB9630	

Gen- Retail					
S3773	FILTER DISPOSAL - 2.50	2.00	2.50	\$5.00	N

Labor: \$13,482.10	Parts: \$29,764.45	OL&M: \$0.00	Misc: \$847.02	Sub-Total: \$44,093.57
--------------------	--------------------	--------------	----------------	------------------------

Miscellaneous Charges:

Shop Supplies	\$75.00
Environmental Fee	\$25.00

Finance Information

Customer PO No:
Tax Exempt No: 19ST3-LOCM
Advisor: 110

Type: Multi-use Acct US Auth. No: 661669
Merchant No: 44000168
Card No: xxxxxxxxxxxx6302
Bill Code: 704 - JD TRACTOR PARTS/SERVICE
Credit Plan: 11438 - DEERE AG 120 DAYS NO
PAYMENTS/NO INTEREST

Labor:	\$13,482.10
Parts:	\$29,764.45
OL&M:	\$0.00
Misc:	\$947.02
Sales Tax:	\$0.00
Grand Total:	\$44,193.57

*** DOCUMENT COPY ***

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: