



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 1 of 7

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

**DIAG-1000000052241 Retail**

### COMPLAINT:

01 Diagnose Issue #1

-Butch is getting a steering code 523329.14

-He is limited to 6.2 MPH

-Tractor is at their home farm

-Butch - 605-360-8128

### CAUSE:

### CORRECTION:

#### SERVICE CALL TO FARM

- Packed up service truck and headed to farm 13 miles one way
- Arrived at farm and looked at tractor
- First 216062 to clear codes and get code to return
- Talked to customer about going out in the field to get more room to get machine to act up
- While headed out to the field tractor made a grinding noise and threw code PTI 523917.07
- This code brought the tractor to a stop, have to cycle the key to keep moving
- Never did get code 523329.14 to come back while out in the field
- Only code that came back was a grinding noise followed by PTI 523917.07
- Brought tractor back up to the yard
- Raised hood and removed side shield on transmission
- Blew out area the speed sensors
- Solution 104455 wanted me to check wiring on C1 and C3 solenoids, wiring looked good
- Next step was to check the CU idler end play through the speed sensor hole
- End seemed good, didn't appear to be much at all
- Installed speed sensor back into transmission housing
- Looked farther in the diagnostic book at they talked about removing carrier and hydro ring gear speed sensors



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Invoice Number: 4224769

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 2 of 7

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

### Service Reminders:

- Removed the sensors and looked at the gears
- Was able to spin the gears over with a screw driver, gears looked fine
- Made an expert connect ticket with JOE R
- Believe it to be a synchronizer issue
- Talked about clearing out calibrations and getting IVT to calibrate again
- Cleared out calibrations and trans calibrated
- At the end of the calibration trans makes a clunk noise
- Walked out back and noticed the hyd fill cap was missing and the hydraulic oil was low
- Added 15 gallons of oil to tractor and tapped up tube for now
- Pushed all software that was available to be pushed
- Went back out in the field and trans acted up right away
- Talked to customer about having tractor trucked in to do further diagnostics/repair

### 7810 REPAIR RAY REQUESTED

- While at the farm Ray had requested to look at the 7810 for the steering column falling down and something leaking on the front axle
- Drove over to the north farm and located tractor
- Arrived at tractor and disassembled steering counsel
- Found that the bottom pin for the gas shock had fallen out
- Found a bolt in the truck and put that in there to make it functional
- Put steering column back together
- Looked at front axle
- LH steering cylinder and axle seal appear to be leaking
- Looked up parts and we had steering kit on hand
- Called and talked to Ray about bringing tractor in to get the work done
- Ray said he would keep an eye on it
- Packed up tools and headed back to the shop

\*\*No mileage charge per Ben

### OL&M Charges:

#### Description

D&S Welding trucking charge

Value

\$518.00

Labor: \$1,525.98

Parts: \$0.00

OL&M: \$518.00

Misc: \$0.00

Sub-Total: \$2,043.98



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 3 of 7

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

**EXPERT-1000000175352 Retail**

COMPLAINT:

-In shop diagnosis and repairs

CAUSE:

CORRECTION:

Make repairs as needed.

### 8360RT REPAIRS AT SHOP

- Looked into synchro mismatch code 523917.07
- Drove tractor was getting code to act up under a load/uphill and shifting up pretty easy. Loud grinding noise was coming from transmission when it would happen and code would fault.
- Followed diagnostics in SA for this code and looked on dtac. Found solution 104455 where C1 and C3 solenoid harnesses could be hooked up backwards. Found they were and test drove still acted up. Checked end play on CU idler gear that checked out good
- Found CU solenoid on bottom of trans was leaking oil. Took it out and noticed it was cracked. I replaced both the CU and RU solenoids as a set. Set PTI address 29 to 1 and forced a recalibration of the tranny. Test drove didnt seem to help any
- Ran primary hydro control test, Secondary hydro control test, Trans lube pressure test, and Hydro control test through display all at 120 degree tranny temp.
- Drained hydraulic oil and pulled sump screens. Found some normal material but nothing that was an issue.
- Made DTAC case at this point
- They recommended doing the hydro closed loop test to verify the hydro is ok but more than likely synchro is damaged
- Put drain plugs, sump screens and original oil back in and warmed up hydraulic oil before running test. Installed DR'S on tranny to check hydro
- Hydro passed
- Talked with Butch told him the sychro is bad in the transmission will have to open it up. He was good with this
- Split tractor and made necessary repairs to transmission
- Changed hydraulic fluid and filters
- Replaced rear torsional dampner rubber was coming apart. Front dampner was replaced at some point and looked good still
- Replaced fan drive belt, Installed vents, zerks and greased fan drives
- Changed engine oil and filter





Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA

Prv Phone:

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA

Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 4 of 7

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

- Rebuilt both three point lift cylinders
- Replaced serpentine belt
- Test ran tractor, recalibrated trans again. Rinsed off and installed belly pan shields

PartNumber	Description	Quantity	List Price	Net Price	Extended Price	Taxed Ind
14M7435	NUT	10.00	1.86	1.86	\$18.60	N
19M7789	SCREW	9.00	1.49	1.49	\$13.41	N
19M7810	SCREW	8.00	4.16	4.16	\$33.28	N
40M7229	SNAP RING	1.00	5.24	5.24	\$5.24	N
57M9210	Elec. Connector Housing	2.00	2.45	2.45	\$4.90	N
58M5575	GREASE ZERK	2.00	3.00	3.00	\$6.00	N
AE38448	PRESSURE R	2.00	7.32	7.32	\$14.64	N
AHC16954	Hydraulic Lift Cyl Kit	2.00	97.97	97.97	\$195.94	N
B2762R	O-RING	1.00	2.84	2.84	\$2.84	N
F3450R	O-RING	2.00	5.15	5.15	\$10.30	N
H176080	SEAL	2.00	27.14	27.14	\$54.28	N
H176081	SEAL	2.00	18.87	18.87	\$37.74	N
R119207	SEAL	1.00	15.51	15.51	\$15.51	N
R1225R	O-RING	2.00	3.49	3.49	\$6.98	N
R122886	O-RING	1.00	5.57	5.57	\$5.57	N
R207199	O-RING	1.00	1.67	1.67	\$1.67	N
R211183	V-BELT	1.00	29.82	29.82	\$29.82	N
R215255	SNAP RING	1.00	9.46	9.46	\$9.46	N
R219638	COMPRESSIO	2.00	5.05	5.05	\$10.10	N
R225003	SEALING RI	1.00	3.99	3.99	\$3.99	N



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA

Prv Phone:

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA

Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 5 of 7

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

R229761	FORK	1.00	337.60	337.60	\$337.60	N
R229763	Sleeve	1.00	57.06	57.06	\$57.06	N
R229764	BAR	1.00	195.13	195.13	\$195.13	N
R229765	PISTON	1.00	42.36	42.36	\$42.36	N
R229768	SEAL	1.00	16.23	16.23	\$16.23	N
R229769	SEAL	2.00	5.00	5.00	\$10.00	N
R230295	BUSHING	1.00	68.66	68.66	\$68.66	N
R232675	CAP SCREW	2.00	2.74	2.74	\$5.48	N
R235409	SYNCHRONIZ	1.00	233.40	233.40	\$233.40	N
R242263	SYNCHRONIZ	1.00	201.68	201.68	\$201.68	N
R242264	PIN	2.00	4.11	4.11	\$8.22	N
R242265	COMPRESSIO	2.00	4.22	4.22	\$8.44	N
R244925	Shim	1.00	6.38	6.38	\$6.38	N
R244926	Shim	1.00	6.68	6.68	\$6.68	N
R244927	SHIM	1.00	6.15	6.15	\$6.15	N
R244928	Shim	1.00	5.74	5.74	\$5.74	N
R244929	SHIM	1.00	5.75	5.75	\$5.75	N
R244930	Washer	1.00	3.21	3.21	\$3.21	N
R245020	LOCK NUT	1.00	19.79	19.79	\$19.79	N
R322121	Retainer	2.00	14.40	14.40	\$28.80	N
R460R	O-RING	2.00	2.66	2.66	\$5.32	N
R56465	O-RING	1.00	1.58	1.58	\$1.58	N
R568198	V-BELT	1.00	80.85	80.85	\$80.85	N
R57311	SHIM	1.00	4.64	4.64	\$4.64	N



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 6 of 7

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

R57312	SHIM	1.00	5.36	5.36	\$5.36	N
R61015	O-RING	1.00	3.64	3.64	\$3.64	N
R79001	BACK-UP RI	2.00	6.52	6.52	\$13.04	N
R83578	O-RING	2.00	9.48	9.48	\$18.96	N
R91624	RING	2.00	21.51	21.51	\$43.02	N
R99039	O-RING	1.00	4.75	4.75	\$4.75	N
RE210857	Hyd / Trans Filter	2.00	117.24	117.24	\$234.48	N
RE231064	SYNCHRONIZ	1.00	1,062.38	1,062.38	\$1,062.38	N
RE242260	SYNCHRONIZ	1.00	308.45	308.45	\$308.45	N
RE28429	FILLER CAP	1.00	29.21	29.21	\$29.21	N
RE40413	SEAL	1.00	42.33	42.33	\$42.33	N
RE509672	Oil Filter Element / Cart.	1.00	26.33	26.33	\$26.33	N
RE577250	Hydraulic Filter	1.00	89.25	89.25	\$89.25	N
RE578485	CONTROL VA	2.00	262.89	262.89	\$525.78	N
RE590154	SEAL	2.00	19.12	19.12	\$38.24	N
T118549	O-RING	1.00	5.02	5.02	\$5.02	N
TA20453	TORSIONAL	1.00	582.72	582.72	\$582.72	N
TY26625S	Qt Shop HY-GARD (\$/qt) (4)	185.00	4.98	4.98	\$921.30	N
TY26686S	Oil, Plus-50 II 15W40 (\$/qt)(4)	30.00	5.31	5.31	\$159.30	N
U10289	O-RING	1.00	3.92	3.92	\$3.92	N
U10746	O-RING	2.00	5.30	5.30	\$10.60	N
<u>Miscellaneous</u>	<u>Description</u>	<u>Quantity</u>	<u>List Price</u>	<u>Net Price</u>	<u>Extended Price</u>	<u>Taxed Ind</u>
EPA	EPA	4.00	5.00	5.00	\$20.00	N
FREIGHT	FREIGHT	1.00	24.68	24.68	\$24.68	N
FREIGHT	FREIGHT	1.00	53.68	53.68	\$53.68	N



Kibble Equipment LLC  
25285 485th Avenue  
Garretson, SD 57030  
Phone: 605-594-3476  
[www.kibbleeq.com](http://www.kibbleeq.com)



JOHN DEERE

Invoice To Account No: 8504101

## SERVICE INVOICE

FUNKE BROTHERS  
RAY AND DAVID FUNKE  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Invoice Number: **4224769**

Invoice Date: 04/17/2024

Location: 71

Work Order Number: 778786

Payment Type: Finance

Page: 7 of 7

Deliver To:

FUNKE BROTHERS  
48244 266TH ST  
BRANDON SD 57005

Bus Phone: 605-321-8313 RA  
Prv Phone:

Make/Model:

Meter

Serial Number:

EQ Id:

Fleet No:

JOHN DEERE 8360RT

5834

1RW8360RPDD909550

RPDD909550

Service Reminders:

### Miscellaneous Charges:

SERVICE ACCESSORIES

\$150.00

Labor: \$14,848.50

Parts: \$5,967.50

OL&M: \$0.00

Misc: \$248.36

Sub-Total: \$21,064.36

### Finance Information

Type: Farm Plan Auth No: 998375  
Merchant No: 62000167  
Card No: xxxxxxxxxxxx7584  
Bill Code: 783 - PERFORMAX INSP - TRACTOR  
Credit Plan: 12041 - DEERE AG NO PAYMENTS/NO  
INTEREST WAIVER UNTIL  
NOVEMBER 15, 2024

Labor: \$16,374.48

Parts: \$5,967.50

OL&M: \$518.00

Misc: \$248.36

Sales Tax: \$0.00

Total: \$23,108.34

### 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: .....