

Invoice To Account No:

Deliver To:

## SERVICE INVOICE

CROP PRODUCTION SERVICES-PATOKA	CROP PRODUCTION SERVICES (PATOKA)	Invoice Number: 1257432
		Invoice Date: 6/20/2016
		Page: 1 of 5

Make/Model:

Meter:

Serial Number:

Eq ID:

Fleet No:

2010 JOHN DEERE 4930

3966

1N04930XPA0013342

866762

+4940 Service work Retail

### COMPLAINT:

Customer complaining of a vibration coming through the cab floor when driving down the road

The customer was quoted and accepted the following quote to perform these repairs:

Labor - \$1

Parts - \$4

Trucking -

-----  
Total - \$53,447.06

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CORRECTION:

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**+4940 Service work Retail**

- Technician was sent to the customers at their request to address the vibration complaint.
- It was found that the vibration was coming from internally in the hydrostatic transmission.
- The sprayer was hauled to the Ashmore shop where the issue could be addressed.
- After driving the machine, the technician pulled it into the shop and removed the hydro filters.
- It was found that there was an excessive amount of foreign material in the filters. ( Shavings )
- The hydraulic oil was drained and the hydraulic oil reservoir removed for further inspection.
- After further inspection of the reservoir it was found to contain an excessive amount of foreign matter. This would primarily be metal shavings and filings.
- An estimate of repair was composed to do a complete hydrostatic replacement according to John Deere's recommendations and submitted to the customer for approval.
- After the approval was received from the customer, repairs were started.
- The hydrostatic pumps were R&R with remanufactured pumps.
- The hydraulic drive motors were removed and replaced with remanufactured motors.
- The auxiliary hydraulic pump was removed and replaced with a remanufactured hydraulic pump.
- The oil cooler was removed and replaced with new because of the inability to flush it clean.
- All removed hydraulic lines were completely flushed with special foam bullets and brake clean several times to ensure they were clean inside.
- The hydraulic tank was removed, completely cleaned and re-installed.
- All lines, clamps and etc. were re-installed and all fasteners were torqued to specs.
- The hydraulic system was filled completely with 212 new quarts of Turf Gard 10W30 oil.
- The drive hubs were drained and filled with new 80W140 Synthetic gear lube.
- The machine was jacked up and put on stands so the wheel motors could be ran and all of the air purged out of the drive hoses per John Deere's repair procedure.
- Finally the sprayer was road tested extensively to ensure there were no leaks and that the noise complaint was gone.
- All functions were found normal and the noise was gone. No leaks were visible.
- The machine was returned to the customer.

Part Number	Description	Quantity
11M7083	COTTER PIN	1.00
14M7277	NUT	2.00
19H2898	CAP SCREW	2.00
19M7866	SCREW	4.00
19M9354	CAP SCREW	1.00

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24H1307	WASHER	11.00
24H1864	WASHER	6.00
24M7349	WASHER	4.00
37M7514	Screw	7.00
51M7044	O-RING	4.00
AH128449	HYDRAULIC FILTE	2.00
AN205159	HOSE CLAMP	3.00
AN207368	HYDRAULIC FILTE	2.00
AN207571	STRAINER	2.00
AN207572	FILTER	1.00
AN209966	CONTROL VALV	1.00
H77698	TIE BAND	30.00
L168271	HANDLE	1.00
N207955	LOCK NUT	2.00
N304330	O-RING	4.00
N305662	WASHER	1.00
PG200722	Hydraulic Pump Reman	1.00
PG200884	Hydraulic Pump Reman	2.00
PG200885	Hydraulic Motor Reman	2.00
PG204032	Hydraulic Motor Reman	2.00
R10093	O-RING	1.00
R115742	SEAL	1.00
R259461	LATCH	1.00

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CROP PRODUCTION SERVICES-PATOKA

CROP PRODUCTION SERVICES (PATOKA)

Invoice Number:

1257432

Invoice Date:

6/20/2016

Make/Model:

Meter:

Serial Number:

Eq ID:

Fleet No:

2010 JOHN DEERE 4930

3588

1N04930XPA0013342

866762

+4940 Service work Retail

R28375

O-RING

1.00

RE242252

OIL COOLER

1.00

T42302

O-RING

2.00

T77613

O-RING

24.00

T78313

O-RING

21.00

TY22075Q

Quert Turf-Gard 10w30 SN/GF5

200.00

TY22076

17D Turf-Gard 10W30 2.5 gal (GF-5/SN)

3.00

TY26372

12D 80W140 Synthetic gear lube qL

16.00

Miscellaneous  
SEMIDescription  
SEMI TRUCKINGQuantity  
1.00

FREIGHT

FREIGHT

2.00

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2010 JOHN DEERE 4930	3966	1N04930XPA0013342	888762	

+4940 Service work Retail  
SERVCALL

SERVICE CALL

Labor: \$10,176.00	Parts: \$42,738.66	OL&M: \$0.00	Misc: \$707.90	Sub-Total: \$53,622.56
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INVOICE CONTAINS \$882.85 DISCOUNT

Customer PO No:	
Tax Exempt No:	GET CARD
Advisor:	MARK ORWIG

Labor:	\$10,176.00
Parts:	\$42,738.66
OL&M:	\$0.00
Misc:	\$707.90
Sales Tax:	\$0.00
Grand Total:	\$53,622.56

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**COPY****TERMS AND CONDITIONS**

\* Charge Tickets: All accounts are due and payable 30 DAYS FROM THE DATE OF PURCHASE. A finance charge of 2% per month (24% ANNUAL PERCENTAGE RATE) will be charged on all past due accounts. All collections costs (i.e. collection agency, attorney's fees, etc.) will be charged to the customer. Normally stocked parts are returnable within 10 days. A 15% restocking fee applies after 10 days. Special ordered parts are non-returnable. All electrical parts are non-returnable.

\* Farm Plan Tickets: This purchase is subject to the terms and conditions of the Farm Plan credit agreement. Normally stocked parts are returnable within 10 days. A 15% restocking fee applies after 10 days. Special ordered parts are non-returnable. All electrical parts are non-returnable.

\* Cash and Credit Card Tickets: Normally stocked parts are returnable within 10 days. A 15% restocking fee applies after 10 days. Special ordered parts are non-returnable. All electrical parts are non-returnable.

Received by: \_\_\_\_\_ Date: \_\_\_\_\_