

ORDER NO SO0072323	DATE 06/28/2024
PAYMENT TERMS Credit Card	

TITAN MACHINERY-SCOTTSBLUFF
PO BOX 1070
SCOTTSBLUFF NE 69363-1070

CUSTOMER NO BP0015631	PAGE NO 1
CUSTOMER PO	

**SERVICE INVOICE
(PROFORMA)**

INVOICE TO:

ZEILER, MIKE
110293 COUNTY RD 33
MINATARE NE 69356-1929

WORK SITE:

TITAN MACHINERY-SCOTTSBLUFF
PO BOX 1070
SCOTTSBLUFF NE 69363-1070

SALESMAN: SERVICE ORDER : SO0072323
CONTACT : REF:

CASE IH MODEL:275 TRACT2 S/N: Z7RZ04012 CUST UNIT: UNIT:E00023701
METER : 3317

SEGMENT : 1 Repair guidance AG LABOR
SEGMENT TYPE: Chargeable
CASE IH MODEL:275 TRACT2 S/N:Z7RZ04012 CUST UNIT: UNIT:E00023701
Worksite : TITAN MACHINERY-SCOTTSBLUFF PO BOX 1070 SCOTTSBLUFF NE 69363-1070
METER : 3468

WORK DESCRIPTION :
Auto pilot not working

CORRECTION:
Service call 36 miles.
Determined the vehicle profile did not match the all makes profile that the machine required.
Contacted CNH tech support in order to get altered settings to stay in the machine.
Recalibrate tractor
Determined Afs harnessing to pro 700 was powering off the system prematurely, causing loss of profile
Tractor will be in shop for right front wheel repair. We will dig deeper into harnessing at that time.

Shop repair

Looked at harness from 700 to tractor removed back cab panel and didn't see any spots that where rubbed though unplugged 700 and checked power and grounds put test light in and was loosing power left test light in and cut open harness and keeping moving and found wire that was broke inside of itself all other wires looked ok patched wire and wrapped harness and put new wire loom on and tied harness back to the bottom of right hand console where it would not get pinched put cap back together and cleaned out mess from fixing harness. Put cab back together

ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
ZQC505105100	LOOM	2	0	2.20	0.00	
	SHOP SUPPLIES	0.00		0.00		

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ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)CORE	TOTAL
	FREIGHT & HANDLING	0.00		0.00	
SEGMENT 1 TOTAL:					0.00 TAX

SEGMENT : 2 Repair RF wheel leak. AG LABOR

SEGMENT TYPE: Chargeable

CASE IH MODEL:275 TRACT2 S/N:Z7RZ04012 CUST UNIT: UNIT:E00023701

Worksite : TITAN MACHINERY-SCOTTSBLUFF PO BOX 1070 SCOTTSBLUFF NE 69363-1070

METER : 3468

WORK DESCRIPTION :

RF wheel leak.
Battery knob missing replace.
Check antifreeze leak.

CORRECTION:

Brought unit in and washed up rhubarb side as sun shaft seal was leaking. Jacked up and removed outer duel and inner duel on rhubarb front. Drain oil it was getting black and had sparkles in oil tore planetary down and had groove cut in shaft wear seal sits and bearing rollers had groove around bearings that you could caught your finger nail on. Then found thrust washer on sungear housing that would spin and the other 4 would not spin 360 pulled pin on that gear and got gear out of way to look in between housing and cast and found that the house was ate up and letting thrust washer spin and not stay still causing oil to get hot and sun shaft seal to cut into sun shaft.

Had customer come in and showed him what I found and he said replace it.

Cleaned up all parts I was reusing
Installed new sun shaft bushing and check fit with new shaft it was in spec of the knowledge article. Installed new sun seal with green locktite. Remove bearing cups and installed new one in hub pressed off old bearing and installed new bearing on ring gear installed new king pin seals as both where ripped installed king pin and installed hub and set bearing to new bearing spec. Removed him and installed new wheel seal and dust seal installed hub for last time and locktite new bolts for keeper installed new sun shaft and unpacked reman out hub it looked good gears look ok and thrust washers didn't spin like old one. Installed outer hub with 515 and new cap screws had to drill out one that has broke off. Installed tie rod and steering cylinder end back on knuckle. Installed both tires on hub and filled hub with 3 quarts of 80-140 synthetic oil. Greased knuckle and steering. Washed off and drove unit and checked for leak all good. Rechecked hub lube level full installed fender back on. Pickup and returned tools to tool room and clean core house of oil and put back in box

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ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
128647A1	SEAL OIL	1	0			
84173605	BUSHING	1	0			
L31698	BEARING CUP	1	0			
135649A1	BEARING CUP	1	0			
311042A1	BEARING ASSY	1	0			
135648A1	BEARING ROLLER	1	0			
281982A3	GEAR, SUN	1	0			
87403379	RING SNAP	1	0			
87390190	KIT SEALS	1	0			
87390352	KIT SEALS	1	0			
87015736	BOLT	8	0			
86531615	SCREW HEX SOC	3	0			
302174A1R	DRIVE FLANGE	1	0			
245856	SEAL OIL	2	0			
73344321	SAE 80W140 1QT	3	0			
302174A1C	DRIVE FLANGE - CORE	-1	0			
	SHOP SUPPLIES	0.00				

SEGMENT 2 TOTAL: 0.00 TAX

SEGMENT : 3 Check antifreeze leak, battery box knob. AG LABOR
SEGMENT TYPE: Chargeable
CASE IH MODEL:275 TRACT2 S/N:Z7RZ04012 CUST UNIT: UNIT:E00023701
Worksite : TITAN MACHINERY-SCOTTSBLUFF PO BOX 1070 SCOTTSBLUFF NE 69363-1070
METER : 3544.6

WORK DESCRIPTION :
Battery knob missing replace.
Check antifreeze leak.

CORRECTION:
Pressure test coolant system and found upper radiator hose leaking at thermostat house talked to customer and he said do all 4 hose for radiator and put new coolant in. Ordered parts for that.

Drain coolant out and removed and cleaned up tubes installed new hoses and clamps on upper and lower radiator hoses. Changed coolant filter. Filled with new coolant and pressure tested it all looks good. Had to remove alt to get at upper hose put that back. Tested cap it wouldn't hold pressure. Installed new cap. Drove around and checked for leaks drain valve on radiator was seeping changed it with one out of kimball Midwest draw. all good after that washed off from repairs and cleaned up return parts I didn't need.

Installed missing battery box cover knob

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ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
394133A1	KNOB	1	0		0.00	
255682A2	HOSE, LARGE	1	0		0.00	
90328233	HOSE, RADIATOR	2	0		0.00	
87381277	HOSE	1	0		0.00	
L115548	CLAMP HOSE	1	0		0.00	
84605017	FILTER COOLANT	1	0		0.00	
73344409	XHD 1 GAL PREMIX	7	0		0.00	
L115548	CLAMP HOSE	7	0		0.00	
A170241	RADIATOR CAP	1	0		0.00	
	FREIGHT & HANDLING	0.00				

SEGMENT 3 TOTAL: 0.00 TAX

SEGMENT : 4 Hydraulic leak under cab. WARRANTY AG

SEGMENT TYPE: Non-Chargeable

CASE IH MODEL:275 TRACT2 S/N:Z7RZ04012 CUST UNIT: UNIT:E00023701

Worksite : TITAN MACHINERY-SCOTTSBLUFF PO BOX 1070 SCOTTSBLUFF NE 69363-1070

METER : 3544.6

WORK DESCRIPTION :

3555.7 hrs for leak under cab

Took outer duel and hub off and moved out duel to end of axle and drove over to wash bay and washed dirt and oil off ran unit and found park brake line cracked at one of the bends in it ordered line.

Also found pfc line of pump starting to balloon order updated line and fittings for it. And also 3 bolts that are missing out of draw bar cast on back of tractor around PTO ordered bolts and washers for that also.

Installed new park brake line and made bracket to give to some support. Washed off oil mess and heated up oil and drove around checked for leaks all looks good moved inner tire back and installed outer hub and tire. Check oil level add 2.5 gals of hy trans put it at full mark. Parked tractor in cleanup bay

CORRECTION:

Hrs on tractor for leak under cab 3555.7

Removed outer tire and slid inner tire out. Installed new park brake line and made bracket to give to some support. Washed off oil mess and heated up oil and drove around checked for leaks all looks good moved inner tire back and installed outer hub and tire. Check oil level add 2.5 gals of hy trans put it at full mark. Parked tractor in cleanup bay

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ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
73344266	HYTRAN 2.5 GAL	1	0		0.00	
433595A3	TUBE	1	0		0.00	
SEGMENT	4 TOTAL:			0.00	MISC.	0.00 TAX

SEGMENT : 5 Repair PFC pump line. AG LABOR
SEGMENT TYPE: Chargeable
CASE IH MODEL:275 TRACT2 S/N:Z7RZ04012 CUST UNIT: UNIT:E00023701
Worksite : TITAN MACHINERY-SCOTTSBLUFF PO BOX 1070 SCOTTSBLUFF NE 69363-1070
METER : 3544.6

WORK DESCRIPTION :
3555.7 hrs for hose about to pop it ballooning and draw bar support missing bolts

CORRECTION:
Replaced line from pfc pump to reg valve it was ballooning installed updated line with fittings checked over. No leaks. Also found three bolts missing on back support for dry bar. Other bolts were following out by hand ordered new bolts and installed and torque to spec.

ITEM / Lot ID	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
48011570	FITTING	1	0		0.00	
87677649	ELBOW 90	1	0		0.00	
90375687	HOSE	1	0		0.00	
86529541	O-RING	1	0		0.00	
87015546	BOLT	3	0		0.00	
86639323	WASHER	3	0		0.00	
87015546	BOLT	7	0		0.00	
LP-0230		2	0		0.00	
	FREIGHT & HANDLING	0.00				
	FREIGHT & HANDLING	0.00				
	FREIGHT & HANDLING	0.00				
SEGMENT	5 TOTAL:					0.00 TAX

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ITEM	/	DESCRIPTION	QTY	B/O	PRICE(USD)	CORE	TOTAL
Lot ID							

SALES TAX DETAILS:
VERTEX -VERTEX TAX

: 0.00

PARTS LABOR MISC.	
SALES TAX	
INVOICE TOTAL (USD)	

Note: