Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:

TITAN MACHINERY

See us for all of your Parts and service solutions

SERVICE ORDER: 1070972 CL

Closed Date: 9/23/2019

Ship To: 20399

> TITAN MACHINERY 1701 GOVERNORS DR **CASSELTON ND 58012-3901**

Sold To: 1888785

> JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #: Sold by:

1070972 CL

SCOTT EICHENBERGER

Cust PO: Cust Fleet#:

14/0 4

MCCONNELL Job Desc:

Make:

Model:

AFX8010 HAJ203926

Serial #: Tag: Hours:

4555556 2043.0

CASE IH

Service Order Summary

WO#		
1784474 SV	UPTIME INSPECTION	\$499.00
1785428 SV	REPAIR AC TO COOL	\$1,275.64
1785429 SV	FEEDER HOUSE AREA REPAIRS	\$10,529.74
1785431 SV	SHAKER DRIVE IDLE PULLEY NOISE	\$131.88
1785432 SV	UNLOAD GEAR BOX HAS WATER IN	\$158.61
1785433 SV	YIELD SENSOR PAD WORN	\$164.43
1785434 SV	CHANGE ENGINE OIL & FILTER	\$500.90
1787477 SV	HOLES IN REAR HOPPER TROUGH	\$1,347.75
1796956 SV	PARK BRAKE WONT RELEASE	\$567.55

TOTAL INVOICE

\$15,175.50

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 4000 Trans ID: 01Z6HJILGV00P75DLEM29UU03KFSO34U

CREDIT CARD

\$15175.50

Client ID: 3218739003 Store ID: 1317821004

Customer Signature

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

Phone: 701-282-4631 Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

1070972

WO#: 1784474 SV UPTIME INSPECTION

Comments:

Completed uptime inspection. Made a list of needed repairs and reviewed it with the customer.

Labor:

DescriptionUptime Inspection

Amount \$499.00

Total Labor

\$499.00

Parts:

Qty Vendor Part Number

Description

Bin

Price

Ext. Price

Total Parts

Tax

Total WO

\$499.00

WO#: 1785428 SV REPAIR AC TO COOL

Comments:

A/C was not cooling. Connected a/c gauges and operated the a/c system. Found the a/c compressor clutch to not be locking up. Checked for power to the compressor clutch. Had power to the clutch. Looking closer at the clutch, found that the wires going to the clutch between the clutch and the compressor were broken. Reclaimed the freon. Removed and replaced the compressor and the receiver drier. Vacuumed down the a/c system. Filled system with Freon. Tested a/c system and verified proper operation.

<u>Labor:</u>

Description Labor		Amount \$582.68
Shop Supplies		\$43.70
	Total Labor	\$626.38

Parts:

Qty	_ Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	87282305	BELT, FAN DRIVE	UN09	\$61.00	\$61.00
1.00	CAS	47452304	POLY-V	N001	\$45.50	\$45.50
1.00	CAS	86993463R	REMAN-A/C CO	C0105	\$492.75	\$492.75
		47821526	FILTER RECEI	F0614	\$68.00	\$68.00
1.00	CAS		O-RING, SIZE #6	V0161	\$1.85	\$3.70
2.00	CAS	128483A1	O-RING	V0156	\$1.10	\$2.20
2.00	CAS	9827059	CORE COMPRESSOR	CORE	\$52.75	(\$52.75)
-1.00	CAS	86993463C		SHOP	\$8.95	\$26.85
3.00	ALI	R134	FREON	31101	ψ0,50	
				Total Parts		\$647.25

Tax \$2.01

Total WO

\$1,275.64

WO#: 1785429 SV FEEDER HOUSE AREA REPAIRS

Comments:

The upper feeder sprocket felt to have excessive slop on the gearbox shaft. The feeder chain, poly wear strips, and stripper plates were worn. The Feeder drum wear rings were wearing through. The feeder driveline u-joints were getting loose. The rear feeder floor had a hole worn in it. Removed the feederhouse. Loosened and split the feederchain, tied the feeder chain so it would not fall out. Removed the feeder gearbox. Removed the beater and upper sprocket. Removed the stripper plates and poly wear strips. Reinstalled the gearbox and aligned the gearbox

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JOHN MCCONNELL

1070972 **SERVICE ORDER:**

shafts. Removed the gearbox. Installed new poly wear strips. Installed beater and new upper sprocket and new bearings for the beater and upper sprocket. Reinstalled the gearbox. Installed and adjusted new stripper plates. Removed the feeder drum. Removed the drum arms. The right side arm would not come off of the shaft. Cut the drum to access the bearing flange nuts. Removed the nuts and removed the shaft and arm. Tried numerous attempts to get the arm off of the shaft. The shaft or the arm must be twisted or bent. Installed a new shaft and bearings into the new feeder drum. Installed the original left side arm and a new right side arm. Installed the drum into the feeder. Connected a new feeder chain to the old chain. Hooked chain onto the upper sprocket and rolled in the new feeder chain. Removed the old chain from the new chain. Installed new connector links and tensioned the feeder chain. Removed the feeder driveline. Removed and replaced the worn u-joints on the driveline. Reinstalled the driveline. Reinstalled the feederhouse.

Labor:

	La	escription abor				Amount \$3,371.10
	Sh	nop Supplies		Total Labor		\$131.15 \$3,502.25
<u>Parts</u>					Dulas	Fut Dries
Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
7.00	CAS	84355344	CROSS KIT	D0615	\$101.00	\$707.00
1.00	CAS	87284914	SPROCKET DRIVE WA	NEW701	\$900.00	\$900.00
2.00	CAS	87283356	CHAIN, ELEVA	NEW109	\$870.00	\$1,740.00
4.00	CAS	84257096	LINK	V3170	\$29.75	\$119.00
1.00	CAS	87673525	FLOOR WA RR		\$405.00	\$405.00
2.00	CAS	86995212	BEARING, BALL	D0512	\$127.00	\$254.00
1.00	CAS	48067478	SHAFT	D0312	\$640.00	\$640.00
1.00	CAS	84312857	BEARING, BALL	D0410	\$42.00	\$42.00
1.00	CAS	87282006	SHIELD COVER	V1919	\$16.00	\$16.00
1.00	CAS	87612665	OIL SEAL 40X80X10 FKM	V2007	\$29.00	\$29.00
2.00	CAS	84415750	SEAL FELT	V1881	\$8.90	\$17.80
2.00	CAS	87384612	STRIP OFF PLATE PLATED	B0321	\$72.25	\$144.50
1.00	CAS	87384614	STRIP OFF PLATE LH PLATED	F0311	\$85.00	\$85.00
1.00	CAS	87384616	STRIP OFF PLATE RH PLATED	F0311	\$77.00	\$77.00
8.00	CAS	86512446	BOLT CARRIAGE SSQ M10X30	D0424	\$0.76	\$6.08
8.00	CAS	140045	WASHER, LOCK	V0831B	\$0.57	\$4.56
8.00	CAS	100016	NUT, CL8, M10	V0800B	\$0.52	\$4.16
1.00	CAS	73161469	HEX SCREW		\$3.30	\$3.30
1.00	CAS	86050279	NUT	V0097	\$0.90	\$0.90
2.00	CAS	87280254	BUSHING	V1948	\$27.75	\$55.50
1.00	CAS	140045	WASHER, LOCK	V0831B	\$0.57	\$0.57
4.00	CAS	86638209	STRIP, NYLON	G0402	\$23.00	\$92.00
1.00	CAS	87660197	TUBE WA PAINTED		\$690.00	\$690.00
2.00	CAS	84265054	BRACKET PAINTED	G0417	\$53.00	\$106.00
	CAS	87021332	SPACER	V0087	\$12.00	\$24.00
2.00	CAS	84265054	BRACKET PAINTED	G0417	\$53.00	\$106.00
2.00			BALL BRG	V2432	\$33.00	\$66.00
2.00	CAS	286909	ARM WA PAINTED	10408	\$185.00	\$185.00
1.00	CAS	87660200		NEW001	\$330.00	\$330.00
1.00	CAS	87646024	SHAFT WA	D0213	\$25.50	\$102.00
4.00	CAS	87660204	BEARING FLANGE	V0831B	\$0.57	\$6.84
12.00	CAS	140045	WASHER, LOCK	V0831B V0800B	\$0.52	\$6.24
12.00	CAS	100016	NUT, CL8, M10		\$2.25	\$9.00
4.00	CAS	86000441	NUT	V4619	\$2.25 \$24.00	\$48.00
2.00	CAS	84155550	THREADED ROD	B0515	\$24.00 \$2.05	\$4.10
2.00	CAS	86507486	BOLT CARRIAGE SSQ M8X20	V4724		\$0.74
2.00	CAS	43362	NUT	V4271	\$0.37	\$0.74 \$0.20
2.00	CAS	322358	PKG-WASHER,	V0704	\$0.10	
				Total Parts		\$7,027.49
				Tax		\$0.00
				Total WO		\$10,529.74

WO#: 1785431 SV SHAKER DRIVE IDLE PULLEY NOISE

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JOHN MCCONNELL

SERVICE ORDER:

1070972

Comments:

The shaker drive idler pulley bearing was failing. Removed and replaced the idler pulley.

Labor:

Amount Description \$31.88 \$31.88 **Total Labor**

Parts: Ext. Price Bin Price Description Vendor Part Number \$100.00 \$100.00 D0108 CAS 87499861 IDLER PULLEY 1.00 \$100.00 **Total Parts** Tax \$0.00 **Total WO** \$131.88

WO#: 1785432 SV UNLOAD GEAR BOX HAS WATER IN

Comments:

The unload gearbox was found to be full of water. Drained the water and gear lube from the gearbox. Flushed the gearbox numerous times with diesel fuel to get the sludge out of the gearbox. Filled the gearbox with new oil.

Labor:

	Description Labor					Amount \$151.73
				Total Labor		\$151.73
Parts Qty 1.00	: Vendor Part Number CAS B80901	Description QUART BOTTLE 80W90 GEAR LUBE	Bin OIL		Price \$6.40	Ext. Price \$6.40
7.00	5,16 23333			Total Parts		\$6.40
				Tax		\$0.48
				Total WO		\$158.61

WO#: 1785433 SV YIELD SENSOR PAD WORN

Comments:

The yield sensor grain pad was worn. Removed the sensor. The screws retaining the pad to the sensor were seized and came out very hard. Installed new sensor pad and reinstalled the sensor.

Labor:

Description Labor		Amount \$127.50
20001	Total Labor	\$127.50

Parts:

Qty 1.00	Vendor Part Number CAS 87283836	Description KIT HI IMPACT PLATE	Bin H0205	Price \$35.00	Ext. Price \$35.00
			Total Parts		\$35.00

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SERVICE ORDER:

1070972

Tax Total WO

Total WO

\$1.93 \$164.43

\$500.90

WO#: 1785434 SV CHANGE ENGINE OIL & FILTER

Comments:

Drained and changed engine oil and filter. The engine fan and a/c belts were found to be worn. Removed and replaced the belts.

Labor:

	Description Labor				Amount \$210.38
			Total Labor		\$210.38
Parts Qty 2.00 1.00 1.00	Vendor Part Number CAS 84346773 CAS 73341700 CAS 73341701	Description FILTER, ENGI PKG-OIL, ENG PKG-OIL, ENG	Bin A308 OIL OIL	Price \$57.00 \$21.80 \$50.50	Ext. Price \$114.00 \$21.80 \$50.50
1.00	CAS 73341702	15W40 5G / 18.93L ENGINE OIL	OIL Total Parts	\$91.90	\$91.90 \$278.20
			Tax		\$12.32

WO#: 1787477 SV HOLES IN REAR HOPPER TROUGH

Comments:

The rear hopper cross auger trough had a hole worn in the left side. Removed the drive sprocket from the auger. Unbolted the right side bearing plate and removed the cross auger. Removed the rear cross auger cover. Cleaned all grain from the rear cross auger trough. Cleaned all rust from the cross auger trough. Installed liner into the trough and welded the liner inplace. Removed and replaced the left side cross auger bearing. Removed the right side auger bearing. The right side bearing was seized onto the auger. Had to cut the bearing off to remove it. Installed the cross auger and installed the right side bearing plate and new bearing. Reinstalled the drive pulley and reinstalled the trough cover.

<u>Labor:</u>

	escription bor				Amount \$928.20
			Total Labor		\$928.20
Parts Qty 1.00 1.00 1.00 3.00 1.00	Part Number 87662984 87044350 87605592 120041 9706687	Description FLOOR LINER BEARING 62MM SPHERE OUTER RIN BEARING 35MM BORE 72MM BOLT CARRIAGE SSQ M10X20 SCREW, CAP	Bin NEW602 D0405 D0603 V0938 V4147	Price \$315.00 \$50.00 \$46.00 \$2.30 \$1.65	Ext. Price \$315.00 \$50.00 \$46.00 \$6.90 \$1.65
			Total Parts		\$419.55
			Тах		\$0.00

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SERVICE ORDER:

1070972

Total WO

\$1,347.75

WO#: 1796956 SV PARK BRAKE WONT RELEASE

Comments:

Park brake would not release. Checked the park brake switch with the display diagnostics. The voltage would not change when trying to release the park brake. Voltage would change when applying the park brake. Possibly have a failed park brake switch. Removed the top cover of the armrest. Removed the switch pad assembly from the circuit board. Inspected the circuit board. Did not find any burn spots or broken solder connections on the circuit board. Installed new switch pad assembly. Tested park brake operation. The park brake was releasing properly. Reinstalled the armrest top.

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<u>Labor:</u> Description Labor		Total Labor		Amount \$257.55 \$257.55
Parts: Qty Vendor Part Number 1.00 CAS 87106744	Description RUBBER PAD	Bin	Price \$310.00	Ext. Price \$310.00
		Total Parts Tax Total WO		\$310.00 \$0.00 \$567.55

1888785

Phone: 701-347-4671 Phone: 877-347-4671 Fax: 701-347-5008 TITAN MACHINERY

See us for all of your Parts and service solutions

SERVICE ORDER: 912145 CL

Closed Date: 8/14/2018

Ship To:

20399 TITAN MACHINERY 1701 GOVERNORS DR

CASSELTON ND 58012-3901

Invoice #:

Sold To:

912145 CL

JOHN MCCONNELL

16062 28TH ST SE

SCOTT EICHENBERGER

CASSELTON ND 58012-9722

Sold by: **Cust PO:**

Cust Fleet#:

MCCONNELL Job Desc:

Make:

Model:

Serial #: Tag:

AFX8010 HAJ203926 4555556

CASE IH

1841.0

Hours: **Service Order Summary**

WO#

VVO #		\$499.00
1488110 SV	UPTIME INSPECTION	'
1504019 SV	LEFT SPREADER MOTOR LEAKS OIL	\$948.92
1504021 SV	CHAINS & BELTS & IDLERS	\$3,069.37
1504023 SV	TAILINGS AUGER BEARINGS BAD	\$1,463.92
1504034 SV	CENTER ENGIDLER PULLEY NOISEY	\$1,017.36
1504731 SV	FEEDER HOUSE REPAIRS	\$1,223.06
1504733 SV	RETHRASH HOUSING CRACKED	\$132.46
1504736 SV	ELEVATOR/YIELD SENSOR REPAIRS	\$1,646.51
1504739 SV	CLEANING FAN BEARINGS/SEALS	\$1,844.95
1504744 SV	RAS REPAIRS	\$1,150.29
1511958 SV	CHANGE ENGINE OIL AND FILTER	\$547.82

TOTAL INVOICE

\$13,543.66

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 4000

CREDIT CARD

\$13543.66

Trans ID: 01Z6Gl6SCP00P7307AL8MJ81HAN07FFP Client ID: 3218739003 Store ID: 1317821004

Customer Signature

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

701-282-4631 Phone: Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

WO#: 1488110 SV UPTIME INSPECTION

Comments:

Completed the inspection and made a list of repairs.

Labor:

DescriptionUptime Inspection

Amount \$499.00

Total Labor

\$499.00

Parts:

Qty Vendor Part Number

Description

Bin

Price

Ext. Price

Total Parts

Tax

Total WO

\$499.00

WO#: 1504019 SV LEFT SPREADER MOTOR LEAKS OIL

Comments:

Found both speader motors were leaking oil. Removed the spreaders and removed the motors. Disassembled the motors, replaced the seals and reassembled them. Installed the motors and installed the spreaders on the motors.

Labor:

Description Labor		Amount \$774.90
Shop Supplies		\$58.12
	Total Labor	\$833.02

Parts:

1.00 C/ 2.00 C/ 1.00 C/		CAS 264198 CAS 87302583	9807617 SEAL KIT 264198 WASHER 87302583 BOLT, LOCK	Bin D0502 V2158 V2796 D0502	Price \$51.00 \$5.50 \$2.90 \$51.00	\$51.00 \$11.00 \$2.90 \$51.00
1,00	5, 15			Total Parts		\$115.90
				Tax		\$0.00
				Total WO		\$948.92

WO#: 1504021 SV CHAINS & BELTS & IDLERS

Comments:

Replaced the rethrash belt tensioner bushings. Replaced the unloader system drive chain. Removed and installed the chopper belts with the updated kit for the high speed with the new spring.

Adjusted clean grain elevator chain. Cleaned the cobs and chaff build up out of the sieves. Picked the corn cobs out of the concaves and moduals and installed them. Checked all chains and belts after running machine. Installed all the shields and panels.

Labor:

DescriptionLabor
Shop Supplies

Amount \$1,466.16 \$109.96

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

				Total Labor		\$1,576.12
<u>Parts</u>	<u>::</u>					
Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	86998066	CHAIN, UNLOADING DRIVE	H0104	\$225.00	\$225.00
1.00	CAS	87470736	CHAIN	H0107	\$62.00	\$62.00
1.00	CAS	87470737	CHAIN	H0625	\$97.00	\$97.00
1.00	CAS	87283315	BELT W/ ROCK TRAP COMBINE	N091	\$150.00	\$150.00
1.00	CAS	84540703	KIT	10613	\$130.00	\$130.00
1.00	CAS	87283139	BELT TAIL PROC HCC 182.0"	N103	\$89.00	\$89.00
1.00	CAS	87317063	BELT	N051	\$59.00	\$59.00
1.00	CAS	87499861	IDLER PULLEY	D0108	\$100.00	\$100.00
1.00	CAS	86588003	IDLER	F0515	\$114.00	\$114.00
1.00	CAS	434817	BUSHING	E0423	\$30.00	\$30.00
3.00	CAS	87283101	SPROCKET	H0613	\$31.00	\$93.00
1.00	CAS	86588003	IDLER	F0515	\$114.00	\$114.00
1.00	CAS	86975809	BELT, GRAIN ELEVATOR DRIVE	N070	\$82.00	\$82.00
1.00	CAS	48114650	V-BELT	N96	\$147.00	\$147.00
1.00	CAS	308761	BOLT CARRIAGE SSQ M8X25	V0887A	\$1.25	\$1.25
				Total Parts		\$1,493.25
				Tax		\$0.00
				Total WO		\$3,069.37

WO#: 1504023 SV TAILINGS AUGER BEARINGS BAD

Comments:

Remove the right side pulley off of the auger shaft so I could get to the bearing. Used a torch to cut the bearing flange off used a puller to remove the bearing for the right side tailings bearing. I cleaned the shaft until the new bearing slid onto it with ease. I put the new flange and bearing into place with the bottom rethrash panel. Tightened down the panel and the bearing flange set the lock collar and tightened down the set screw. Removed the pulley from the left side. Used a torch to cut the flange then used it to cut the bearing off of the auger shaft. Cleaned off the shaft, installed new flange and bearings, tightened down the flanges and set the lock collar. Cleaned up the pulley, reinstalled it and tightened it down in alignment.

Labor:

	Description Labor Shop Supplies				Amount \$1,322.25 \$6.77
			Total Labor		\$1,329.02
<u>Parts</u>			Dis	Duine	Ext. Price
Qty	Vendor Part Number	Description	Bin	Price	
1.00	CAS 87605590	BEARING 35MM BORE 72MM	D0401	\$44.00	\$44.00
2.00	CAS 86620026	FLANGETTE	D0517	\$4.60	\$9.20
1.00	CAS 47508360	BEARING, BAL	D0604	\$43.00	\$43.00
2.00	CAS 86974037	BEARING FLANGE	D0516	\$6.85	\$13.70
1.00	CAS 47577185	COLLAR	V2372	\$8.00	\$8.00
1.00	CAS 87283201	KEY	V0647	\$17.00	\$17.00
			Total Parts		\$134.90
			Tax		\$0.00
			Total WO		\$1,463.92

WO#: 1504034 SV CENTER ENGIDLER PULLEY NOISEY

Comments:

Removed the fan hub off of the drive pulley. Removed all idlers to get access to the bolts for the center engine idler assembly. I hoisted the assembly out used a air hammer to remove the old center idler. Cleaned up the shaft and

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

installed the new pulley. Used the press to remove the old bearing out of the fan pulley and pressed the new one in place. Installed the idler assembly onto the engine. Installed the idlers for the water pump belt and installed a new belt. I installed the engine fan pulley pressed it onto the shaft with a bolt and installed the belt for it. Mounted the fan onto the pulley and tightened down all the bolts.

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Description Labor			Total Labor		Amount \$531.36 \$531.36
Parts Qty 1.00 1.00 1.00	S: Vendor Part Number CAS 47452304 CAS 5801452244 CAS 98427607	Description POLY-V PULLEY BEARING	Bin N001 H0405 B0613	Price \$37.00 \$273.00 \$176.00	Ext. Price \$37.00 \$273.00 \$176.00
,,,,,			Total Parts		\$486.00
			Тах		\$0.00
			Total WO		\$1,017.36

WO#: 1504731 SV FEEDER HOUSE REPAIRS

Comments:

Right inner feeder house lift cylinder leaked oil. Removed and disassembled the cylider. Cleaned all the parts and reassembled the cylinder with new seals and orings. Reinstalled the cylinder. Welded the cracked header drive gearbox supports. Adjusted the feeder chain tension and did a lateral tilt calibration.

Labor:

	 De	escription bor				Amount \$950.79
	Lu			Total Labor		\$950.79
Parts Qty 1.00 1.00 4.00 4.00 8.00	Vendor CAS CAS CAS CAS CAS	Part Number 84274488 9992298 43140 100016 140045	Description KIT, SEALS O-RING BOLT M10X30 8.8 ZND HEX 1.5P NUT, CL8, M10 WASHER, LOCK #550 S PIN	Bin V0204A V0895 V0800B V0831B V2901	Price \$247.00 \$0.75 \$0.67 \$0.48 \$0.54 \$1.95	Ext. Price \$247.00 \$0.75 \$2.68 \$1.92 \$4.32 \$15.60
8.00	CAS	23442R1	#550 STIN	Total Parts	·	\$272.27
				Tax Total WO		\$0.00 \$1,223.06

WO#: 1504733 SV RETHRASH HOUSING CRACKED

Comments:

Welded the cracks on the top of the rethrash housing. Welded a crack in the bottom of the clean grain auger trough.

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Description
Labor
Total Labor
\$113.16

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

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Qty 2.00	Vendor Part Number CAS 395589	Description SLEEVE	Bin V1695	Price \$9.65	Ext. Price \$19.30
			Total Parts		\$19.30
			Тах		\$0.00
			Total WO		\$132.46

WO#: 1504736 SV ELEVATOR/YIELD SENSOR REPAIRS

Comments:

Replaced 5 amp fuse for moister sensor. Pryed out the auger and cleaned out auger trough. Chiseled out the auger cavity because it was packed with moldy corn and chaff. Cleaned out the auger iself so it would go in the extra 3/4 of an inch to get the cover back on and pined into place.

Replaced the top and bottom clean grain elevator paddle chain sprockets and bearings.

Growned down the connector links for the broken paddle, hammered it off and installed the new paddle assembly. Bent the s clips down and tensioned the chain.

Labor:

		escription bor				Amount \$1,150.05
				Total Lab	or	\$1,150.05
Parts Qty		Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	87693742	FUSE 5A	V4791	\$2.00	\$2.00
2.00	CAS	86999835	RIVET		\$4.40	\$8.80
1.00	CAS	87283438	SPROCKET, DRIVE	B0121	\$118.00	\$118.00
2.00	CAS	87605590	BEARING 35MM BORE 72MM	D0401	\$44.00	\$88.00
4.00	CAS	86620026	FLANGETTE	D0517	\$4.60	\$18.40
1.00	CAS	87605593	BEARING 40MM BORE 80MM	D0303	\$82.00	\$82.00
2.00	CAS	1307583C1	HSG.BRG.	D0412	\$6.65	\$13.30
1.00	CAS	87283436	SPROCKET, DRIVE	G0615	\$116.00	\$116.00
2.00	CAS	87610182	SPIN	V2906	\$0.88	\$1.76
2.00	CAS	322358	PKG-WASHER,	V0704	\$0.10	\$0.20
1.00	CAS	48089346	CHAIN	B0616	\$36.00	\$36.00
2.00	CAS	87283349	CONNECTING LINK	V3174	\$6.00	\$12.00
				Total Pa	rts	\$496.46
				T	ax	\$0.00
				Total V	VO	\$1,646.51

WO#: 1504739 SV CLEANING FAN BEARINGS/SEALS

Comments:

Removed all shields around the cleaning fan and drive motor to get access to the motor. Removed the motor from the fan then remove the panel under the fan. Removed the bolts that hold the fan onto the frame and dropped the fan out of the frame. Used a posi puller and an air hammer to remove the rusted on bearings from the shaft. Cleaned up the fan shaft and installed new bearings, flanges and lock collars on to the shaft. Lifted the fan back into its housing and bolted it up. Put the tin shield on the bottom of the fan housings and then set the spacing for the fan and locked down the lock collars onto the shaft. Cleaned off fan drive motor, dissembled the motor and replaced the seals. Reassembled it, cleaned up the shaft, key and the female coupler on the fan. Lubed it with anti sieze then reinstalled the motor into the fan, tightened down all the bolts for it and reinstalled the hydraulic hoses for the motor. Adjusted the sensor for the cleaning fan so I would read in the cab when running, installed the shields.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

Labor:

Desci Labor	ription				\$1,549.80
			Total Labor		\$1,549.80
ndor Pa	rt Number	Description	Bin	Price	Ext. Price
AS 843	330073	BALL BEARING	D0203	\$62.00 \$6.60	\$124.00 \$26.40

Parts: Qty Vend 2.00 CA CAS 4.00 86979948 FLANGETTE \$122.00 \$122.00 D0609 SEAL KIT 1.00 CAS 87010913 \$22.00 \$11.00 V2370 47577169 COLLAR 2.00 CAS \$0.75 \$0.75 V5018 NUT, LOCK 1.00 ÇAS 100037

> Tax \$0.00 Total WO \$1,844.95

Total Parts

Amount

\$295.15

WO#: 1504744 SV RAS REPAIRS

Comments:

Removed the rotary air screen from the combine. Drilled out all rivets for the horse hair seals and installed new seals with new rivets. Removed old L-brush off of the black plastic piece replaced it with a new one. Removed the old drive belt and installed a new one. Installed the air screen back on the combine and adjusted the L-brush. I cleaned up around all of the coolers then siliconed between all coolers and around the outside of all of them. Removed the air filter assembly from the combine, blew out the aspirator and reinstalled the assembly and siliconed around all of the seams to help prevent dust and debris from entering. Blew out air filter as best as I could and put it back into the housing. I didn't find any major holes in the intake system that would allow dust and debris to enter the air filter housing causing the filters to plug. I sealed all of the cracks and gaps that I could find.

la	b	^	r.
<u>L.a</u>	<u> </u>	<u> </u>	

Description Labor				Amount \$863.46
		Total Labor		\$863.46
Parts:			n.t.	Ent Delea
Qty Vendor Part Number	Description PACKAGE	Bin A501	Price \$208.00	Ext. Price \$208.00

				Тах		\$3.83
				Total Parts		\$283.00
1.00 1.00 2.00 1.00	CAS CAS CAS	73340447 9513136 ZPX80855 ZPX80855	PACKAGE BELT CLEAR RTV SILICONE 300ML CLEAR RTV SILICONE 300ML	A501 UN28 SR1500 SR1500	\$24.00 \$17.00 \$17.00	\$24.00 \$34.00 \$17.00

Tax \$3.83 Total WO \$1,150.29

WO#: 1511958 SV CHANGE ENGINE OIL AND FILTER

Comments:

Changed engine oil and filter. The PTO housing was a little over full, drained out some oil. Added oil to the hydraulic tank.

Labor:

Description Labor **Amount** \$145.14

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

912145

			Total La	ıbor	\$145.14
Parts Qty 2.00 2.00 1.00 1.00	 Part Number 84346773 73341702 DCA60L 73341724	Description FILTER, ENGI 15W40 5G / 18.93L ENGINE OIL DCA4 LIQUID - 1 PINT OIL, TRANSMI	Bin A308 OIL SR0301 OIL	Price \$57.00 \$86.50 \$6.78 \$88.75	Ext. Price \$114.00 \$173.00 \$6.78 \$88.75
			Total P	arts	\$382.53
			Total	Tax WO	\$20.15 \$547.82

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:

TITAN MACHINERY

See us for all of your Parts and service solutions

SERVICE ORDER: 831102 CL Closed Date: 10/25/2017

Ship To: 20399

CASE IH

AFX8010

TITAN MACHINERY 1701 GOVERNORS DR CASSELTON ND 58012-3901

Sold To: 1888785

> JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

831102 CL

Sold by: SCOTT EICHENBERGER

Cust PO: Cust Fleet#:

MCCONNELL Job Desc:

Make:

Model:

Serial #:

HAJ203926 4555556

Tag: Hours: 1749.0

Service Order Summary

WO#

1340051 SV LOW VOLTAGE WARNING

\$1,087.53

TOTAL INVOICE

\$1.087.53

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118 Trans ID: 01Z6FQ1QQ200P71N0RCP0114B0DTU3HI

CREDIT CARD

\$1087.53

Client ID: 3218739003 Store ID: 1317821004

Customer Signature

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

Phone: 701-282-4631

Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control.

A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

831102

WO#: 1340051 SV LOW VOLTAGE WARNING

Comments:

Service call to customers field. Checked battery voltage before start up, 12.6V, after start up it was 11.9V. Removed alternator, swapped the pulley to the new one and installed the new alternator on the engine. Started combine and checked voltage again, 14.7V.

<u>Labor:</u>

Description		Amount
Labor		\$247.00
Service Call		\$12.00
Shop Supplies		\$18.53
	Total Labor	\$277.53

Parts Qty 1.00 -1.00	Part Number 87601413 87601410	Description REMAN-ALTERN ALTERNATOR CORE FOR REMAN	Bin C0101 CORE	Price \$840.00 \$30.00	Ext. Price \$840.00 (\$30.00)
,,,,,			Total Parts		\$810.00
			Tax Total WO		\$1,087.53

1888785

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:



See us for all of your Parts and service solutions

SERVICE ORDER: 712421 CL

Closed Date: 11/29/2016

Ship To:

20399

TITAN MACHINERY 1701 GOVERNORS DR **CASSELTON ND 58012-3901**

Sold To:

712421 CL

JOHN MCCONNELL

16062 28TH ST SE

Make:

CASE IH

Invoice #: Sold by:

SCOTT EICHENBERGER

CASSELTON ND 58012-9722

Model:

AFX8010

Cust PO:

Serial #:

HAJ203926

Cust Fleet#: Job Desc:

MCCONNELL

Tag:

4555556

Hours:

1679.0

Service Order Summary

MO #

VVO #		\$499.00
1136360 SV	UPTIME INSPECTION	• • • • • • • • • • • • • • • • • • • •
1140337 SV	CHANGE ALL OILS & FILTERS	\$2,118.53
1140343 SV	REPAIR LIGHTS-BRAKE & BECON	\$136.43
1140345 SV	CLEAN GRAIN BELT IDLER WORN	\$276.20
1110010	ADJUST CLEANGRAIN PADDLE CHAIN	\$148.57
1140346 SV		\$1,722.33
1140347 SV	VERTICAL UNLOAD AUGER WORN	
1153820 SV	WASH JOB	\$387.00
1		

TOTAL INVOICE

\$5,288.06

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118 Trans ID: 01Z6EUSCCP00P6O430V63G502VD6LN32

CREDIT CARD

\$5288.06

Customer Signature

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

701-282-4631 Phone: Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance

Client ID: 3218739003 Store ID: 1317821004

shall constitute a lien on this machinery. I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

712421

WO#: 1136360 SV UPTIME INSPECTION

Comments:

Completed the Uptime inspection and made a list of suggested repairs to go over with the customer.

Labor:

Description
Uptime Inspection

Amount \$499.00

Total Labor \$499.00

Parts:

Qty Vendor Part Number Description Bin Price Ext. Price

Total Parts

Tax \$499.00

Amount

\$776.25

WO#: 1140337 SV CHANGE ALL OILS & FILTERS

Description

Labor

Comments:

Warmed the unit up and changed engine oil and filters. I replaced the hydraulic filters, fuel filters, PTO lube filter, crankcase breather filter, and cab air filters. Refilled the oil and ran the unit. Checked the oil levels and everything was right. I also draind and refilled the gearboxes on the feederhouse and the unload auger.

Labor:

	Shop	Supplies					\$58.22
	3,100	Сарриос		Т	otal Labor		\$834.47
<u>Parts</u>	<u>:</u>						
Qty	Vendor Pa	art Number	Description	Bin		Price	Ext. Price
1.00		4597068	FUEL FILTER, CNH BRANDED	U205		\$58.00	\$58.00
1.00	NHL 84	4348883	FILTER ELEMENT	A109		\$34.75	\$34.75
2.00	NHL 84	4346773	FILTER, ENGI	A308		\$56.75	\$113.50
1.00	CAS 50	04153481	FILTER, AIR	A112		\$54.75	\$54.75
2.00	CAS 29	996234	GASKET	Z100		\$15.50	\$31.00
1.00	CAS 84	4487937	FILTER	U307		\$103.00	\$103.00
1.00		7682993	FILTER, AIR	U107		\$57.50	\$57.50 \$116.00
1.00		54353A1	FILTER, HYDRAULIC OI	U207		\$116.00	\$52.50
1.00		4523925	ELEMENT	U207		\$52.50 \$15.50	\$15.50
1.00		971726C1	BREATHER	V3077		\$75.50 \$71.00	\$75.50 \$71.00
1.00		4058793	FILTER CAB AIR	A110 OIL		\$43.40	\$43.40
1.00		3341723	PKG-OIL, TRA	OIL		\$41.45	\$41.45
1.00		3341701	PKG-OIL, ENG	OIL		\$76.00	\$76.00
1.00		3341702	15W40 5G / 18.93L ENGINE OIL	OIL		\$75.55	\$151.10
2.00		3341724	5G ULTRACTION	OIL		\$8.95	\$44.75
5.00		36610A2X	INVALID PART 2.5 GALLON 80W90 GEAR LUBE	OIL		\$49.00	\$49.00
1.00		80903	5 GALLON 80W90 GEAR LUBE	OIL		\$95.00	\$95.00
1.00		80904	PKG-OIL, TRA	OIL		\$43.40	\$43.40
1.00	CAS 7	3341723	FRG-OIL, TIM			*	·
					Total Parts		\$1,251.60
					Tax		\$32.46
					Total WO		\$2,118.53

WO#: 1140343 SV REPAIR LIGHTS-BRAKE & BECON

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

712421

Comments:

Found three blown fuses which I replaced and that fixed the brake lights and interior cab lights. Traced the wire harness from the back of the combine to a bulk head by the cab and found that there was a pin recessed back into the connector. Fixed the pin and now the unit works properly.

Labor:

Description Labor		Amount \$117.30
Shop Supplies		\$8.80
	Total Labor	\$126.10

Parts:

Qty 2.00	_ Vendor	Part Number 87718290	Description PROBE TOOL EXTRACTION	Bin V1240	Price \$4.85	Ext. Price \$9.70
				Total Parts		\$9.70
				Tax		\$0.63
				Total WO		\$136.43

WO#: 1140345 SV CLEAN GRAIN BELT IDLER WORN

Comments:

Cleaned off the area and relieved the belt tension. Removed the belt and disassembled the pulley. Removed the idler arm and pressed out the bushing. Reinstalled the arm with new bushings and spring. Tightened everything down and checked for proper operation.

<u>Labor:</u>

Description Labor		Amount \$234.60
Shop Supplies		\$17.60
	Total Labor	\$252.20

Parts:

Qty 1.00 1.00	Vendor Part Number CAS 681902 CAS 80322362	Description SPRING BOLT	Bin V1770	\$12.00 \$12.00	\$12.00 \$12.00
			Total Parts		\$24.00
			Tax		\$0.00
			Total WO		\$276.20

WO#: 1140346 SV ADJUST CLEANGRAIN PADDLE CHAIN

Comments:

Lubed the adjustment rod and removed the clean out door. Turned the chain to get to the connector and removed the half link. Adjusted the tension and reinstalled the clean out door.

<u>Labor:</u>

Description Labor		Amount \$120.75
Shop Supplies		\$9.06
	Total Labor	\$129.81

Parts:

Qty Vendor Part Number Description Bin Price Ext. Price

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

712421

#550 S PIN

V2901

\$1.70

\$17.00 \$1.76

10.00 CAS 23442R1 2.00 CAS 87610182

S PIN

V2906

\$0.88

\$18.76

Total Parts

Tax **Total WO**

\$0.00 \$148.57

WO#: 1140347 SV VERTICAL UNLOAD AUGER WORN

Comments:

Parked the unit on level ground and blocked the tires. Removed the left tire to access the cover more freely and then removed the drive chain. Unbolted the gear box and lowered the auger out the bottom. Installed the new auger and put the gear box back in place. With the unit back together I removed 3 links from the drive chain reinstalled it. Reinstalled the wheel and torqued it to spec.

Labor:

Description Labor		Amount \$670.45
Shop Supplies		\$50.28
	Total Labor	\$720.73

Parts:

Qty 1.00 2.00 1.00	Vendor F CAS 8 CAS 4	Part Number 37733266 420760 785210	Description AUGER BUSHING LINK	Bin NEW430 V2247 V3150	Price \$985.00 \$6.95 \$2.70	Ext. Price \$985.00 \$13.90 \$2.70
1.00	07.10			Total Parts		\$1,001.60
				Tax Total WO		\$0.00 \$1,722.33

WO#: 1153820 SV WASH JOB

Comments:

Washed all the chaff and debris from on top of the rotor area and the areas on the frame of the combine. Washed the areas under the panels, washed the outside of the combine and cleaned the cab.

Labor:

Description Labor		Amount \$360.00
Shop Supplies		\$27.00
Chief Capping	Total Labor	\$387.00

Parts:

Ext. Price Price Bin **Qty Vendor Part Number** Description **Total Parts**

> \$0.00 Tax \$387.00 **Total WO**

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:



See us for all of your Parts and service solutions

SERVICE ORDER: 562108 CL

Closed Date: 11/6/2015

20399 Ship To:

TITAN MACHINERY 1701 GOVERNORS DR

CASSELTON ND 58012-3901

Sold To:

1888785

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

562108 - CL

Sold by:

SCOTT EICHENBERGER

Cust PO: Cust Fleet#:

MO #

MCCONNELL Job Desc:

Make:

Model:

Serial #: Taq:

Hours:

4555556

CASE IH

AFX8010

HAJ203926

1483.0

Service Order Summary

WO #		ACE OC
884301 SV	CANT SHIFT INTO 4TH GEAR	\$55.36
884302 SV	UPTIME INSPECTION	\$499.00
884303 SV	WASH AND DETAIL	\$336.69
886530 SV	SHAKER BEARINGS	\$838.54
886540 SV	FEADER DRUM	\$642.54
886541 SV	CHOPPER PAN	\$788.15
886542 SV	TAILINGS PROCESSOR	\$261.34
891504 SV	UNLOADING AUGER DAMAGED	\$1,897.05
001001 01		

TOTAL INVOICE

\$5,318.67

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$5318.67

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

701-282-4631 Phone: Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

562108

WO#: 884301 SV CANT SHIFT INTO 4TH GEAR

Comments:

Tested the customers complaint about the unit not shifting into fourth gear and every time I tried it it would work.

Labor:

DescriptionAmountCustomer Labor\$51.50Shop Supplies\$3.86

Total Labor

\$55.36

\$336.69

Parts:

Qty Vendor Part Number Description Bin Price Ext. Price

Total Parts

Tax

Total WO \$55.36

WO#: 884302 SV UPTIME INSPECTION

Comments:

Preformed the uptime inspection on the unit

Labor:

Description
Uptime Inspection

Amount
\$499.00

Total Labor \$499.00

Parts:

Qty Vendor Part Number Description Bin Price Ext. Price

Total Parts

 Tax
 \$0.00

 Total WO
 \$499.00

WO#: 884303 SV WASH AND DETAIL

Comments:

I blew off the combine prior to preforming the inspection. Once the inspection was complete I washed the combine and cleaned out the cab

Labor:

Description \$313.20
Setup/Detailing Labor \$23.49

Shop Supplies

Total Labor

Parts:
Qty Vendor Part Number Description Bin Price Ext. Price

Total Parts

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

562108

Tax **Total WO**

\$0.00

Amount

\$336.69

WO#: 886530 SV SHAKER BEARINGS

Comments:

I pulled the shields off to get to the shaker arms. I removed the shaker arms from the unit and replaced the bearings and then set everything back together. After I finished with one side I repeated the same steps for the other.

Labor:

Description		\$309.00
Customer Labor Shop Supplies		\$23.18
опор окрупов	Total Labor	\$332.18
	_	

E

<u>Parts</u>	:					
Qty 1.00 1.00 1.00 1.00		Part Number 87315721 87315721 87693742 100038	Description BEARING BEARING FUSE 5A NUT, LOCK M12	Bin D0301 D0301 V4791 V2939 Total Parts	Price \$252.00 \$252.00 \$1.40 \$0.96	\$252.00 \$252.00 \$252.00 \$1.40 \$0.96 \$506.36
				Tax Total WO		\$0.00 \$838.54

WO#: 886540 SV FEADER DRUM

Comments:

I unbolted the feeder drum and rolled it out and then hammered the left arm off to replace the bearing. I had to torch it out. I installed new bearings and set the arms back on. Reinstalled it back into the combine and connected the feeder chain. I set the tension, reinstalled the shields, and took outside to run it. I switched the modules to small wire and greased everything.

Labor:

Description Customer Labor		Amount \$519.12
Shop Supplies		\$38.93
Chop Supplies	Total Labor	\$558.05

Parts:

Qty 1.00 2.00 5.00	Vendor CAS CAS CAS	Part Number 47577178 280327 322358 87282356	Description BALL BRG BOLT,CARRIAGE LOCKWASHER,M8 CONNECTOR	Bin V2108 V0944 V0704 V3168	Price \$69.00 \$0.17 \$0.98 \$10.25	Ext. Price \$69.00 \$0.34 \$4.90 \$10.25
1.00	CAS	67262330	COMMEDICIN	Total Parts		\$84.49
				Tax		\$0.00
				Total WO		\$642.54

WO#: 886541 SV CHOPPER PAN

Comments:

I hammered out the dented panel and removed stationary tray. I straightened the panel and reinstalled it. It still wasn't right so I installed a new chopper pan. Next I installed the stationary knives and installed sieves.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

562108

Labor:

Description Customer Labor Shop Supplies				\$721.00 \$54.08
		Total Labor		\$775.08
ndor Part Number CAS 43140	Description BOLT M10X30 8.8 ZND HEX 1.5P	Bin V0895	Price \$0.67	Ext. Price \$0.67

Amount

Parts:

raits	<u>.</u>					
Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	43140	BOLT M10X30 8.8 ZND HEX 1.5P	V0895	\$0.67	\$0.67
1.00	CAS	100037	NUT, LOCK	V5018	\$0.62	\$0.62
1.00	CAS	86592700	WASHER	V0698	\$2.65	\$2.65
1.00	CAS	86997386	BUSHING		\$3.95	\$3.95
3.00	CAS	86512446	BOLT CARRIAGE SSQ M10X30	V1746	\$0.70	\$2.10
2.00	CAS	140045	WASHER, LOCK	V0831B	\$0.54	\$1.08
1.00	CAS	140042	WASHER, M10	V0673	\$2.00	\$2.00
				Total Parts		\$13.07
				Tax		\$0.00
				Total WO		\$788.15

WO#: 886542 SV TAILINGS PROCESSOR

Comments:

I removed the top tentioner arm assembly and hammered the old bushings out. Installed new bushings in the arm and inspected the pin. The pin looked ok so I reinstalled it and the arm is much tighter now.

Labor:

	Description Customer Labor		Amount \$218.36
	Shop Supplies		\$16.38
		Total Labor	\$234.74
Dorto			

Parts:

Qty 2.00 1.00	CAS	Part Number 395589 84057943	Description SLEEVE INDICATOR	Bin F0501	\$9.40 \$7.80	\$18.80 \$7.80
				Total Parts		\$26.60
				Тах		\$0.00
				Total WO		\$261.34

WO#: 891504 SV UNLOADING AUGER DAMAGED

Comments:

I inspected the holes in the auger tube and found that the tube was damaged on the end, under the snout. Priced out the options for the customer and decided to go the route of the extender on the end. I installed the extender on the end of the auger tube and checked that it would cover the damaged spots. Cut off the damaged part of the unloading auger. Installed the extender and ran the combine to ensure everything is in good working order again.

Labor:

DescriptionAmountCustomer Labor\$309.00Shop Supplies\$14.93

Sold To:

Parts:

Qty

1.00

1.00

JOHN MCCONNELL

Description

AUGER EXTENSION

FREIGHT CHARGE

SERVICE ORDER:

Vendor Part Number

MISC FREIGHT

562108

Total Labor		\$323.93
Bin	Price	Ext. Price

\$1,560.62

\$12.50

Total Parts

\$12.50 \$1,573.12

\$1,560.62

Tax **Total WO**

\$0.00 \$1,897.05

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:

TITAN MACHINERY

> See us for all of your Parts and service solutions

SERVICE ORDER: 485521 CL

Closed Date: 6/4/2015

Ship To: 20399

> TITAN MACHINERY 1701 GOVERNORS DR

CASSELTON ND 58012-3901

Sold To:

1888785

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #: Sold by:

Cust PO:

485521 - CL

MCCONNELL

SCOTT EICHENBERGER

Model: Serial #:

Make:

Tag:

Hours:

4555556

1310.0

CASE IH

AFX8010

HAJ203926

Service Order Summary

MO

Cust Fleet#:

Job Desc:

765935 SV	UPTIME INSPECTION	\$499.00
	FEEDER HOUSE REPAIRS	\$1,727.94
767484 SV	·	\$9,257.48
767485 SV	TRANSITION CONE/ROTOR REPAIRS	\$942.78
767489 SV	CLEAN HVAC SYSTEM-CAB FILTER	\$1,113.76
767491 SV	CHOPPER/SIEVE AREA REPAIRS	\$1.152.28
767500 SV	CLEAN GRAIN ELEV TOP SPROCKET	, , , , , ,
767502 SV	DRIVE CHAIN IDLER BEARINGS BAD	\$448.55
767503 SV	LOWER RETHRASH HOUSING BEARING	\$305.95
767506 SV	BOTH INSIDE DRIVE COUPLER WORN	\$680.17
767507 SV	HYD FILTER PLUGGED WARNING	\$424.89
767509 SV	CLEAR OUT PRO600 MEMORY	\$183.05
767580 SV	ENG AIR FILTER PLUGS EASILY	\$597.26

TOTAL INVOICE

\$17,333.11

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$17333.11

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Account Agreement applicable to this Account.

701-282-4631

Phone: Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

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WO#: 765935 SV UPTIME INSPECTION

Comments:

Completed the Uptime inspection on the customers combine and made a list of suggested repairs to go over with them. Went over the list of repairs with customer.

<u>Labor:</u>

Amount Description \$499.00 Uptime Inspection \$499.00

Total Labor

Parts:

Ext. Price **Price** Description Part Number Qty

Total Parts

Tax \$499.00 **Total WO**

Amount

WO#: 767484 SV FEEDER HOUSE REPAIRS

Comments:

Pulled the upper feeder house gear box off. Found the splines are good enough to make through another year. Removed the old stripper plates and cut out the plastic wear bars. Installed the new plastic wear bars. John came and we showed him all of the worn out iron. Cleaned out the splines and cleaned out the upper feeder gear. Pulled the upper seal out of the housing. Cleaned up the bore and installed a new seal and cleaned up the surfaces to mount it back on the feeder house. Ground and polished the rear pin for the feeder house cylinder so it will slide through the bracket now. Installed, tightened, and adjusted the stripper plates. Installed the upper gear box on and torqued the bolts. Installed the feeder chain and left lose until feeder house is mounted back on the combine. Installed the feeder house found a broken weld on the rock trap which I rewelded. Installed the cylinder pins as well as the feeder house pins and reconnected the cylinder hoses. Tried to tighten the chain. Got to a point where the nuts lock onto the tension bolt and the chain wasn't tight enough, threads are gone from running the chain to loose. Pulled the tension system apart and install new tension bolts and lock nuts. Tighten the chain up and adjusted the feeder drum stop to the middle setting for wheat harvest. Installed the driveshaft's on the right side of the combine feeder house and put the hydraulic valve block back into place. Tightened up the hardware on the feeder house as well as zip tide the lines to the holders on the feeder house. Installed the shields as well as tightened them up. Greased the driveline, rotor, and drive shaft grease zerks. Ran the combine to ensure that everything operates properly. Rechecked the fluid levels and looked for any leaks.

Labor:

	Description Customer Labor Shop Supplies			\$1,154.63 \$86.60
	Onop cupplies		Total Labor	\$1,241.23
Parts:	Part Number	Description	Price	Ext. Price

	Dort Number	Description	Price	Ext. Price
Qty	Part Number	•	\$73.25	\$73.25
1.00	87384616-CAS	PLATE	• • • • •	• • • • • • • • • • • • • • • • • • • •
2.00	87384612-CAS	PLATE	\$62.25	\$124.50
		PLATE	\$84.50	\$84.50
1.00	87384614-CAS		•	\$5.60
8.00	86512446-CAS	BOLT, CARRIAGE	\$0.70	*
8.00	100016-CAS	PKG-NUT	\$0.48	\$3.84
			\$0.54	\$4.32
8.00	140045-CAS	WASHER, BELLEVILLE	• • • • •	7
4.00	86638209-CAS	STRIP	\$23.00	\$92.00
		SEAL	\$20.75	\$20.75
1.00	87612666-CAS	-	•	\$13.90
2.00	84415750-CAS	SEAL FELT	\$6.95	φ15.90

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485521

1.00 9.00 2.00 3.00 1.00 4.00	433100-CAS 1329837C2-CAS 84155550-CAS 86000441-CAS 86000441-NHL 86513238-NHL	SUPPORT PIN THREADED ROD NUT NUT PKG-WASHER,	\$5.25 \$0.60 \$22.00 \$1.70 \$1.70 \$0.65	\$5.25 \$5.40 \$44.00 \$5.10 \$1.70 \$2.60
4.00	005 3230-W IL	TRO-YWAOTIER,	Total Parts	\$486.71
			Tax Total WO	\$0.00 \$1,727.94

WO#: 767485 SV TRANSITION CONE/ROTOR REPAIRS

Comments:

Blocked up the feeder house and removed the lock nuts and cotter pin. I had to remove dual cylinders on the right side of the feeder house. Tried to hammer the pin out and got it to move about one half inch. Lubed up the shaft and used the porta power to try to press it out. I couldn't get the shaft to move at all. I had to hammer it back and forth to get the inside cylinder to break free of the pin. Tried to hammer the pin out, but the end is mushroomed. I pulled the cotter pin on the outside and hammer the pin the other way. Next I pulled the feeder house off and supported it on jack stands to make the needed repairs to it later. Blew off the front of the combine and swept up the area. Took the bottom half moon panel off and then secured the rotor in the cage. Took the impeller blades off the front of the rotor and then took the front support bracket off of the rotor. Pulled the rotor out of the combine and set it to the side. Set up the forklift to support the cone for unbolting. Removed all the bolts from the cone and removed cone. John was in and we show him the worn out iron. I got the ok to replace the front 3 vanes. Installed the cone and had issues getting all of the holes to align properly. Installed all the cone bolts and tightened them up. Installed the cast iron ears with silicone as a seal and tightened them up as well. Installed the new front three vanes in the cone and tightened them down. Reinstalled the lower shield in its place and put the proper shims in also. Tightened all the bolts down and sealed the plate with silicone. I made sure to seal all of the remaining gaps with the proper silicone. Installed the hydraulic hard pipe back into place noticed that there was as clamp that broke behind the ears. I installed the new clamp from parts. I installed the new rotor drive bolt and washer using red locktite and torqueing it to 120ft per specs. Remove the worn rasp bars from the rotor. I blew out the rasp bar pockets so we can bolt the new rasp bar down proper. Install the rasp bars and torque the new bolts to spec. Installed the rotor and the center bearing plate. Then silicone and install the lower plate. Installed the new elephant ears and tightened up all the bolts. Installed the right side modules and tightened the hardware. I rotated the rotor and checked to see if it was in balance, it was. Then I installed the front left concave module and set the pinch point with the second left concave out. Swapped the left concaves so there wasn't a gap difference between them and the rotor so that they wear evenly. I finalized setting the pinch point of the rotor with some minor adjustments. With the feeder house on I ran the machine and checked to ensure everything was set and adjusted properly. I cleaned up the scrap iron and other garbage and installed the shields.

<u>Labor:</u>

	Description Customer Labor			Amount \$3,053.95
	Shop Supplies			\$88.25
			Total Labor	\$3,142.20
Parts:				
Qty	Part Number	Description	Price	Ext. Price
2.00	87280254-CAS	BUSHING	\$23.00	\$46.00
1.00	87390937E-CAS	PACKAGE	\$4,150.00	\$4,150.00
1.00	84330075-CAS	BEARING, BALL	\$59.25	\$59.25
8.00	87298166-CAS	RASP BAR-4PK W/STD BARS METRIC	\$72.50	\$580.00
1.00	87715003-CAS	IMPELLER KIT	\$945.00	\$945.00
2.00	87717923-CAS	VANE 3/16 TRANSPORT	\$28.25	\$56.50
1.00	87107892-CAS	ANGLE, ROTOR CAGE	\$39.75	\$39.75
5.00	433734A1-CAS	T-BOLT	\$3.05	\$15.25
8.00	87106338-CAS	BOLT, ROTOR CAGE	\$3.65	\$29.20
5.00	43436-CAS	NUT,M12	\$0.53	\$2.65

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13.00 1.00 1.00 2.00 1.00 1.00 2.00 2.00	100016-CAS 87298166-CAS 374895-CAS ZPX80855-CAS 87018388-CAS 87000091-CAS 84164540-CAS 86981487-CAS	NUT, CL8, M10 RASP BAR-4PK W/STD BARS METRIC BOLT CARRIAGE SSQ M12X25 CLEAR RTV SILICONE 300ML BOLT, M12-1.75 X 45 WASHER RASP BAR, W/O SPIKE BOLT	\$0.48 \$72.50 \$5.65 \$15.56 \$2.35 \$32.50 \$17.75 \$1.90	\$6.24 \$72.50 \$5.65 \$31.12 \$2.35 \$32.50 \$35.50 \$3.80
			Total Parts	\$6,113.26
			Tax	\$2.02
			Total WO	\$9,257.48

WO#: 767489 SV CLEAN HVAC SYSTEM-CAB FILTER

Comments:

Pulled cover off the end of the HVAC box and washed the area off. I had to remove the storage compartment out of the cab so I could get to the freeze probe in the top of the AC box. Tried to remove the bolts for the a/c core and had one nut zert that was spinning in the plastic housing. Got to it on the inside and held with a vise grip. Pulled the A/C core and washed it out. I used a fin comb to straighten the fins of the condenser. Then I pulled the heater core out also and that too had one nut zert that spun. I had to pull the upper part of the HVAC box which has the blower fan to get at the nut zert. Finished removing the heater core and then clean and straightened the fins. I washed off the HVAC box and the drain tubes. Took the blower assembly off the combine and then started to take it apart to install new seals. Pulled the old seals off of the blower and air filter assembly and then took adhesive remover and cleaned the surfaces. I installed the new seals and then silicone the housing and around the blower and in between the foam seal and the metal bracket. Next I pulled the cab pressure fan assembly apart, cleaned, installed new seals, and then sealed all the cracks with silicon. I blew out the tubes that come and go from the filter assembly. Now with AC core dried there was still a little debris in, so we washed it with the pressure washer turn down low. I installed the heater core, the A/C, and the fan assembly. Reinstall the freeze probe. Tested the fan to make sure it is working properly and had great air flow now. I then reinstalled the cab storage compartments and lids. Reinstalled the inside cab filter and the cover on the outside of the HVAC box.

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<u>Labor.</u>	Description Customer Labor			Amount \$808.55
	Oustomer Labor		Total Labor	\$808.55
Parts:				Fut But-
Qty	Part Number	Description	Price	Ext. Price
1.00	255220A2-CAS	GASKET	\$7.00	\$7.00
1.00	87107233-CAS	SEAL	\$5.30	\$5.30
1.00	84817879-CAS	KIT,SEALS	\$106.00	\$106.00
2.00	84015383-CAS	SEAL PROTECTN	\$4.55	\$9.10
1.00	ZPX81158-CAS	BLACK RTC SILICONE 3 OZ	\$6.41	\$6.41
,,,,,			Total Parts	\$133.81
			Tax	\$0.42
			Total WO	\$942.78

WO#: 767491 SV CHOPPER/SIEVE AREA REPAIRS

Removed the chopper knifes and flipped them around so that the sharp side is cutting and then torqued them. Took stationary knife bar out of the combine and flipped the knife blocks so the sharp side is cutting now. I reinstalled the blocks onto the bar and tightened them down. Next I installed it back into the combine and moved them up and

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down to make sure there wasn't any contact with the blades. I installed and tensioned both the chopper belts and the shoe shaker belt. Next I installed a new clip for the sieve adjuster. I then welded the crack on the top pan of the sieves and installed the lower sieves. I adjusted the sieve so it was a ¼" and installed and adjusted the top sieve so that it was at the same setting. With the sieves set to ½" I went to the display and calibrated them. I removed the sieve lose sensor and repaired the damaged wires. I then made a jumper and tied the wires down. I reinstall a pop rivet and tested sensor. It is now in good working order. Went through the display and checked all of the calibrations.

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<u>Labor.</u>	Description Customer Labor			Amount \$1,104.16
	Customer Euser		Total Labor	\$1,104.16
Parts:				_ ,
Qty	Part Number	Description	Price	Ext. Price
1.00	9514605-CAS	LOCKRING	\$1.69	\$1.69
1.00	87695582-CAS	DEUTSCH_DT SERIES_2-WAY_RECEP	\$2.85	\$2.85
1.00	87696073-CAS	SERIES 2 WAY TAB HSG	\$2.15	\$2.15
1.00	225317C1-CAS	WEDGE	\$2.11	\$2.11
1.00	86500166-CAS	PLUG	\$0.80	\$0.80
			Total Parts	\$9.60
			Tax	\$0.00
			Total WO	\$1,113.76

WO#: 767500 SV CLEAN GRAIN ELEV TOP SPROCKET

Comments:

I removed the top body panel to get easier access to the sprocket and removed the bearing from the inside part of the housing. Then I removed the whole shaft out of the housing and brought it down to the bench to make it easier to work with. I then used a puller to remove the last bearing from the shaft. Next I cleaned the ends of the shaft up with emery cloth in order to install the new bearings. Next I reinstall the shaft and sprocket into the housing. I then finished installing the sprocket assembly and bearings into the housing. Then I took a plumb bob and adjusted the sprocket so that the chain will run exactly in the middle of it and locked them down with the lock collars and tightened the set screws. I then checked the tightness of the bearing flanges and all other hardware. Next I put the clean grain chain back in and installed a new link into it with new s clips. Then put the black shield and the red body panel back on and tightened all the bolts down. Ran the combine outside to ensure everything was operational. I retightened the chain once more after the combine was ran.

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<u>Labor.</u>	Description Customer Labor			Amount \$913.61
			Total Labor	\$913.61
<u>Parts:</u>				Est Duiss
Qty	Part Number	Description	Price	Ext. Price
1.00	87283438-CAS	SPROCKET	\$118.00	\$118.00
2.00	87605590-CAS	BEARING, SPHERICAL	\$44.00	\$88.00
4.00	86620026-CAS	FLANGE	\$3.95	\$15.80
9.00	140045-CAS	WASHER, BELLEVILLE	\$0.54	\$4.86
1.00	87282356-CAS	LINK, CONNECTING	\$10.25	\$10.25
2.00	87610182-CAS	PIN	\$0.88	\$1.76
			Total Parts	\$238.67
			Tax	\$0.00
			Total WO	\$1,152.28

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WO#: 767502 SV DRIVE CHAIN IDLER BEARINGS BAD

Comments:

Pressed the old insert out of the idler and then install it into the new idler. I then adjusted the shims as needed so that the idler would run centered on the chain. Next I reinstalled the tensioner and set the chain tension properly.

Labor:

<u>Labor.</u>	Description Customer Labor			Amount \$303.85
	Cuotomor Euro		Total Labor	\$303.85
Parts:				
Qty	Part Number	Description	Price	Ext. Price
2.00	87283101-CAS	SPROCKET	\$30.75	\$61.50
1.00	87283101-CAS	SPROCKET	\$30.75	\$30.75
2.00	87109160-CAS	SPACER, PLATED	\$1.85	\$3.70
1.00	80535318-CAS	BUSHING	\$48.75	\$48.75
			Total Parts	\$144.70
			Tax	\$0.00
			Total WO	\$448.55

WO#: 767503 SV LOWER RETHRASH HOUSING BEARING

Comments:

Used a puller to remove the lower rethrash pulley. Cleaned up the shaft with emery cloth and then used a puller to remove the bearing. Cleaned the rest of the shaft and installed new bearings and flanges. I found that the shims were not tight between the bearing and lower impeller. I checked with parts and it was the right bearing so I installed a few more shims and reinstalled the belt. Ran the combine to verify that the unit is operating proper.

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<u> </u>	Description Customer Labor			Amount \$242.05
	Oddiomor Edbor		Total Labor	\$242.05
Parts: Qty 1.00 2.00 1.00	Part Number 87605592-CAS 86620026-CAS 86997053-CAS	Description BEARING, SPHERICAL FLANGE COLLAR	Price \$43.75 \$3.95 \$12.25	Ext. Price \$43.75 \$7.90 \$12.25
1,00			Total Parts	\$63.90
			Тах	\$0.00
			Total WO	\$305.95

WO#: 767506 SV BOTH INSIDE DRIVE COUPLER WORN

Comments:

Removed both the left and right drive couplers and replaced the drive couplers that are directly on the transmission. I inspected the splines on the coupler that attaches to the planetaries on both the left and right hand side and then installed the new couplers with new retaining bolts and new lock nuts. Change out both driveline couplers that hook to the transmission. Found they were just over half worn out. When cleaning the combine I found debris built up around the speed sensor on the transmission. I removed the speed sensor and cleaned the sealing surface. Sensor had a copper washer on it that all looks ok. Reinstall sensor to the same depth. Topped off the transmission 80/90. I

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pulled the drain plug to find out what was in there and found some water came out. I drained a little extra oil. The oil looks great. Check for a vent and found that there was none. Checked with parts there should be a vent in the upper fill plug. I installed the proper vent in the transmission. Once all finished I took the combine outside and tested everything to ensure it was all working properly.

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<u>Labor:</u>	Description Customer Labor			Amount \$436.72
			Total Labor	\$436.72
Parts: Qty 1.00 1.00 2.00 4.00 2.00 1.00	Part Number 87586665-CAS 87586665-CAS 129796A1-CAS 100037-CAS B80901-CAS 398136-CAS	Description BUSHING, SPLINED BUSHING, SPLINED M10X80 8.8 BOLT NUT QUART BOTTLE 80W90 GEAR LUBE AIR VENT	Price \$95.50 \$95.50 \$3.20 \$0.62 \$5.55 \$31.75	Ext. Price \$95.50 \$95.50 \$6.40 \$2.48 \$11.10 \$31.75
			Total Parts	\$242.73
			Tax Total WO	\$0.72 \$680.17

WO#: 767507 SV HYD FILTER PLUGGED WARNING

Comments:

I Installed a new restriction sensor for the charge filter and at full throttle it still says filter blocked. I Ohmed the sensor found that it is open at an idle and closed at full throttle. Everything leads to the filter being plugged. Installed the new filter and ran the machine at all throttle positions and the filter warning stays off now.

Labor:

<u> </u>	Description Customer Labor			Amount \$142.14
	Customer Labor		Total Labor	\$142.14
Parts: Qty 1.00 1.00 1.00 1.00	Part Number 47673279-CAS 84348883-NHL 87525715-CAS 254353A1-CAS	Description PRESSURE SWITCH FILTER, FUEL SENSOR WATER FILTER, HYDRAULIC OI	Price \$76.25 \$34.50 \$56.00 \$116.00 Total Parts	Ext. Price \$76.25 \$34.50 \$56.00 \$116.00 \$282.75
			Tax Total WO	\$0.00 \$424.89

WO#: 767509 SV CLEAR OUT PRO600 MEMORY

Comments:

Cleared out all of the memory in the display. Drove the combine to the loading dock and calibrated the feeder house. When operating the feeder we got an alarm when the feeder house was all the way down. We checked the sensor voltage it was running between 1.6 volts and 3.8 volts. According to specs there should be no reason we should get the alarm. Tried to recalibrate the feeder house again and the alarm went away. Ran the combine found

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485521

everything is good working order.

Labor:

Amount Description \$180.25 Customer Labor \$180.25 **Total Labor**

Parts:

Ext. Price Price Description **Part Number** Qty \$2.80 \$1.40 87693742-CAS **FUSE** 2.00 **Total Parts** \$2.80

> \$0.00 Tax \$183.05 **Total WO**

WO#: 767580 SV ENG AIR FILTER PLUGS EASILY

Comments:

Took the engine air filters out of their housing and took the housing off the combine. Then removed the honey comb from the housing and blew it out after finding excessive debris build up in it. Then I blew out the air filter housing and washed out the honey comb assembly. Once the assembly was washed I blew the water out of it. I installed a new brush set in the rotary air screen. Now with the honey comb all dry I reassembled it back into it's housing using silicone as a sealant like it was. I also riveted the honey comb assembly. I took the assembly back up top of the combine and reinstalled it. I checked the aspirator and found it to be clean. Found nothing that should cause excessive air filter issues anymore. Checked at the aspirator with the engine running and had good suction at a low idle to high rpms.

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<u>Labor:</u>	Description Customer Labor		Total Labor	Amount \$532.51 \$532.51
Parts: Qty	Part Number 87642393-CAS	Description BRUSH, COMMUTATOR	Price \$64.75	Ext. Price \$64.75
1.00	07042090-0710		Total Parts	\$64.75
			Тах	\$0.00
			Total WO	\$597.26

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:

TITAN MACHINERY

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SERVICE ORDER: 391509 CL Closed Date: 10/31/2014

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20399

TITAN MACHINERY 1701 GOVERNORS DR **CASSELTON ND 58012-3901**

Sold To:

1888785

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

391509 - CL

Sold by:

Cust PO:

Cust Fleet#:

Job Desc:

SCOTT EICHENBERGER

MCCONNELL

Make:

Model:

Serial #: Tag:

Hours:

CASE IH

AFX8010 HAJ203926

4555556 1286.0

Service Order Summary

WO#

SHAKER DRIVE PULLEY/CLUTCH 602108 SV

\$4,116.29

\$4,116,29 **TOTAL INVOICE**

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$4116.29

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Credit Agreement applicable to the Account.

Phone:

701-282-4631

Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER: 391509

WO#: 602108 SV SHAKER DRIVE PULLEY/CLUTCH

Comments:

Helped customer look up parts and showed him a combine on the lot. Drove out to his farm 27 RTM and looked at the problem on the combine. I pulled the tailings belt off and the clean grain belt off. The tailings drive shaft was broke and came out, I showed him the broken shaft.

The customer drove the combine into the shop. Removed the chopper drive pulleys and cut the hydraulic filter down and welded it to keep the oil from dripping. Drained the hydraulic reservoir. Hammered off the bearings on the right then removed the chopper speed assembly and removed the left bearings and then slid the shaft out the right side. Installed the new chopper shaft and assembled the bearings on the right and then put on the bearing and chopper speed shift assembly on the left side. Welded the shield that goes around the tailing. Installed the 2 chopper belts, the tailings belt and clean grain belt. Put on a new hydraulic filter, reused the fluid and topped off the level. Took out and ran it, tightened the clean grain paddle chain, it was making a lot of noise. Every thing ran good.

Labor:

	Description			Amount
	Cust Field Labor			\$1,623.60
	BA-shop/field rate diff			(\$120.60)
	Shop Supplies			\$121.77
			Total Labor	\$1,624.77
Parts:				
Qty	Part Number	Description	Price	Ext. Price
1.00	47421132-CAS	BEARINGASSY	\$357.00	\$357.00
1.00	47421133-CAS	BEARING	\$246.00	\$246.00
1.00	86997578-CAS	KEY	\$22.75	\$22.75
1.00	86976370-CAS	BEARING, BALL	\$39.75	\$39.75
1.00	87485-CAS	KEY	\$2.43	\$2.43
1.00	84330078-CAS	COLLAR	\$7.85	\$7.85
2.00	84435858-CAS	BEARING, BALL	\$103.00	\$206.00
1.00	87485-CAS	KEY	\$2.43	\$2.43
1.00	47421133-CAS	BEARING	\$246.00	\$246.00
1.00	FREIGHT	FREIGHT	\$12.00	\$12.00
1.00	84560825-CAS	SHAFT, DRIVE	\$1,125.00	\$1,125.00
1.00	84487937-CAS	FILTER	\$105.00	\$105.00
1.00	87297766-CAS	CHOPPER BLADES	\$70.75	\$70.75
1.00	73341723-CAS	HY-TRAN ULTRACTION 2.5G	\$45.60	\$45.60
			Total Parts	\$2,488.56
			Tax	\$2.96
			Total WO	\$4,116.29

Phone: 701-347-4671 Phone: 877-347-4671 Fax: 701-347-5008



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SERVICE ORDER: 334859 CL

20399

Closed Date: 7/30/2014

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TITAN MACHINERY 1701 GOVERNORS DR

CASSELTON ND 58012-3901

Sold To:

1888785

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

334859 - CL

SCOTT EICHENBERGER

Sold by: **Cust PO:**

Cust Fleet#: Job Desc:

MCCONNELL 8010

Make:

Model:

Serial #:

Tag:

AFX8010 HAJ203926

CASE IH

4555556 1137.0

Hours:

Service Order Summary

515783 SV	UPTIME INSPECTION	\$499.00
517332 SV	ADJUST/REPLACE DRIVE CHAINS	\$607.10
517333 SV	REPLACE CRACKED FUEL HOSES	\$236.2
517354 SV	CHANGE OILS AND FILTERS	\$1,808.5
517356 SV	ENGINE VALVE COVER GASKET LEAK	\$637.3
517359 SV	MIDDLE RETHRESH IMPELLER LOOSE	\$215.0
517361 SV	REPAIR AC TO COOL	\$161.2

TOTAL INVOICE

\$4,164,48

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$4164.48

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Credit Agreement applicable to the Account.

Phone:

701-282-4631

Cell Phone: 701-361-9104

I hereby authorize the repair work to be done as described above on the machine(s) named hereon. All repair parts are to be billed at your regular price. I agreed to pay cash for such repair parts and labor on delivery of machine(s) or on terms satisfactory to you and until paid in full any unpaid balance shall constitute a lien on this machinery.

I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control. A service charge will be assessed equal to the lesser of 1.5% per month or the maximum rate permitted by law on all delinquent accounts, until paid in full.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

334859

Total Parts	\$75.00
Tax	\$0.00
Total WO	\$236.25

WO#: 517354 SV CHANGE OILS AND FILTERS

Comments:

Replaced engine fuel filters. Changed hydraulic and pto oils and filters. Changed rotor gear box oil. Changed transmission and final drive gear box oils. The transmission was missing the fill plug. Did not find any debris when the oil was drained. Filled the transmission with diesel fuel and drove it around to wash it out. Drained the fuel, it looked clean, and filled it with gear lube. Installed a new fill plug.

Took combine out in back lot and ran seperator and feeder house. Everything functioned perfectly and sounded good.

Labor:

Description		Amount
Customer Labor		\$866.00
BA-adjustment for trans flush		(\$115.40)
Shop Supplies		\$64.95
Gillop Guppinge	Total Labor	\$815.55

Parts:

			Fort Dates
Part Number	Description	Price	Ext. Price
	FILTER. FUEL	\$35.00	\$35.00
	the state of the s	\$118.00	\$118.00
	•	\$105.00	\$105.00
• • • • • • • • • • • • • • • • • • • •	* *	\$50.00	\$50.00
		•	\$56.00
*	· .	*	\$203.12
		• •	\$42.00
73341722-CAS		•	\$11.50
150006-CAS	PLUG, DRAIN	*	* :
220025-CAS	SEAL, RING		\$3.90
73341728-CAS	HYTRAN ULTRACTION	\$13.90	\$333.60
		Total Parts	\$958.12
	220025-CAS	84348883-CAS FILTER, FUEL 254353A1-CAS FILTER, HYDRAULIC OI 84487937-CAS FILTER 294721A1-CAS FILTER, HYDRAULIC OI 84597068-CAS FILTER, FUEL B80904-CAS LUBRICANT 73341722-CAS HY-TRAN ULTRACTION 1G 150006-CAS PLUG, DRAIN 220025-CAS SEAL, RING	84348883-CAS FILTER, FUEL \$35.00 254353A1-CAS FILTER, HYDRAULIC OI \$118.00 84487937-CAS FILTER \$105.00 294721A1-CAS FILTER, HYDRAULIC OI \$50.00 84597068-CAS FILTER, FUEL \$56.00 B80904-CAS LUBRICANT \$101.56 73341722-CAS HY-TRAN ULTRACTION 1G \$21.00 150006-CAS PLUG, DRAIN \$11.50 220025-CAS SEAL, RING \$3.90 73341728-CAS HYTRAN ULTRACTION \$13.90

Tax \$34.88 Total WO \$1,808.55

WO#: 517356 SV ENGINE VALVE COVER GASKET LEAK

Comments:

Washed off engine area. Removed a charge air cooler pipe. Removed the valve cover, cleaned gasket surface, installed valve cover with new gasket. Installed air pipe.

Labor:

Description Customer Labor		\$560.00
Shop Supplies		\$42.00
	Total Labor	\$602.00

Parts:

<u>ts.</u>	. D
Qty Part Number Description Price Ext	. Price
400.00	\$29.33
1.00 500323989-CAS GASKET \$29.33	
46.00	\$6.00
1.00 FREIGHT FREIGHT \$6.00	ψ0.00

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

334859

Total Parts

\$35.33

Tax

\$0.00

Total WO

\$637.33

WO#: 517359 SV MIDDLE RETHRESH IMPELLER LOOSE

Comments:

Removed the shaft pulley for the middle impeller and the shaft bearing and flange. found the set screws loose on the impeller. The impeller, shaft and key seemed ok. Tightened the set screws with lock thight and reasssembled the bearing and pulley.

Labor:

DescriptionCustomer Labor
Shop Supplies

Amount \$200.00

Total Labor

\$15.00 \$215.00

Parts:

Qty Part Number

Description

Price

Ext. Price

Total Parts

Tax

\$0.00

Total WO

\$215.00

WO#: 517361 SV REPAIR AC TO COOL

Comments:

Evacuated the system, did leak test, ok. Charged the system and ran it, cooled good and the pressures were normal. Checked for leaks again, none found.

Labor:

DescriptionCustomer Labor
Shop Supplies

Amount \$150.00

Total Labor

\$11.25 \$161.25

Parts:

_ Qty P

Part Number

Description

Price

Ext. Price

Total Parts

Tax Total WO \$0.00 \$161.25

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:



See us for all of your Parts and service solutions

SERVICE ORDER: 192003 CL Closed Date: 10/30/2013

Ship To: 20399

> TITAN MACHINERY 1701 GOVERNORS DR **CASSELTON ND 58012-3901**

1888785 Sold To:

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

192003 - CL

ETHAN KENSOK Sold by:

Cust PO: Cust Fleet#:

Job Desc:

FEEDERCHAIN

Make:

Model:

Serial #: Tag:

Hours:

CASE IH

AFX8010 HAJ203926 4555556

1104.0

Service Order Summary

WO#

284307 SV

REPLACE FEEDERCHAIN

\$3,003.05

TOTAL INVOICE

\$3,003.05

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$3003.05

By signing I certify that I am authorized to use this Account, to sign this receipt, and that I agree that the total amount of this invoice is repayable in accordance with the Credit Agreement applicable to the Account.

Phone:

701-282-4631

Cell Phone: 701-361-9104

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Sold To:

JOHN MCCONNELL

SERVICE ORDER:

192003

WO#: 284307 SV REPLACE FEEDERCHAIN

Comments: Customer brought in his combine because the feederchain had broke. Once the combine was in the shop we removed the faceplate. Loosened up the feeder drum and pryed the rock out from under the drum. Pulled the broken chain out along with the chain that was still attached. Once the chains were out we spun the drum and found the bearings were rough. Unbolted the drum and pulled it out of the feederhouse. Removed the arms from the drum and pounded the bearings off of the shaft. Cleaned up the shaft and then installed new bearings and flanges. Reinstalled the drum arms. Installed the drum back in the combine and tightened it in place. Ran both feederchains up and over the drive sprockets. Connected the links at the bottom and set the chain tension. Reinstalled the faceplate and the top feederhouse panels.

	Lá	ab	O	r
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Labor	Description Customer Labor			Amount \$463.60 \$34.77
	Shop Supplies		Total labor	\$498.37
Parts: Qty 4.00 2.00 2.00 2.00 12.00 12.00 12.00 1.00 4.00	Part Number 87283349-CAS 87283356-CAS 84330027-CAS 87660204-CAS 140045-NHL 100016-CAS 87283356-CAS 1329837C2-CAS	Description LINK, CONNECTING CHAIN WITH SERRATED SLAT BEARING, BALL FLANGE WASHER, BELLEVILLE PKG-NUT CHAIN WITH SERRATED SLAT PIN	Price \$5.81 \$763.68 \$69.00 \$19.00 \$0.52 \$0.48 \$763.68 \$0.60 Total Parts	Ext. Price \$23.24 \$1,527.36 \$138.00 \$38.00 \$6.24 \$5.76 \$763.68 \$2.40 \$2,504.68
			Tax Total WO	\$3,003.05

Phone: 701-347-4671 Phone: 877-347-4671 701-347-5008 Fax:



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SERVICE ORDER: 96689 CL Closed Date: 6/29/2013

20399 Ship To:

203 AG SALE

1701 GOVERNORS DR **CASSELTON ND 58012-3901**

Sold To:

1888785

JOHN MCCONNELL 16062 28TH ST SE

CASSELTON ND 58012-9722

Invoice #:

96689 - CL

Sold by:

Cust PO:

ETHAN KENSOK

Cust Fleet#:

CASE IH Make:

Model:

AFX8010

Serial #: Tag: Hours:

HAJ203926 4555556

947.0

Service Order Summary

WO#		
148438 SV	FEEDER CHAIN REPAIRS	\$845.74
148441 SV	REPLACE IMPELLAR BLADES	\$1,230.52
148447 SV	CLEAN GRAIN ELEVATOR REPAIRS	\$224.30
148450 SV	RETHRASHER REPAIRS	\$618.88
148451 SV	CHANGE FLUIDS AND FILTERS	\$989.60
148453 SV	REPAIR DISPLAY HARNESS	\$143.33

TOTAL INVOICE

\$4,052.37

Payment Information

JOHN MCCONNELL/MASTERCARD/VISA 6118

CREDIT CARD

\$4052.37

Phone:

701-282-4631

Cell Phone: 701-361-9104

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I further agree that you will not be held responsible for loss or damage to said machinery from fire, theft, or other causes beyond your control.

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

96689

WO#: 148438 SV FEEDER CHAIN REPAIRS

Comments: While doing the inspection we found that the feederhouse slip clutch seemed to be to tight. Installed the feeder drive shaft, put the sieves and concaves back in the combine, and then tightened all belts and chains. Took the combine outside and ran it. We were able to get the slip clutch to slip while operating the combine. Brought the combine back in the shop and removed the feeder drive shaft again. Checked the slip clutch and it would slip at 375 ft lbs which is good. Turned the feeder drum so we could get at the bent feederchain slats. Removed two bent slats and replaced them with new ones. Reinstalled the feeder driveshaft.

<u>Labor</u>

	Description Customer Labor			Amount \$636.50
	Shop Supplies			\$47.74
	21,10		Total labor	\$684.24
<u>Parts:</u> Qty	Part Number	Description	Price	Ext. Price
2.00	87546907-CAS	SLAT	\$49.79	\$99.58
2.00	87617002-CAS	SLAT	\$30.96	\$61.92
			Total Parts	\$161.50
			Tax	
			Total WO	\$845.74

WO#: 148441 SV REPLACE IMPELLAR BLADES

Comments: Removed the half moon cover above the feederhouse for access to the impellar blades. It was a tight fit but we were able to reach down and unbolt the impellar blades and pull them out. Bolted new wear bars onto the new impellar blades and torqued them in place on the rotor. Reinstalled the half moon cover.

Labor

	Description Customer Labor			Amount \$336.30
	Shop Supplies			\$25.22
	Onop Cappilos		Total labor	\$361.52
s: Qty	Part Number	Description	Price	Ext. Price

Parts:

 Qty
 Part Number
 Description
 Price \$869.00
 Ext. Price \$869.00

 1.00
 87715003-CAS
 IMPELLER KIT
 \$869.00
 \$869.00

 Total Parts
 \$869.00

Tax Total WO

al WO \$1,230.52

WO#: 148447 SV CLEAN GRAIN ELEVATOR REPAIRS

Comments: The clean grain elevator drive chain needed replacing. Loosened the idler pulley to release chain tension. Removed the chain and then installed a new one. Adjusted the idler sprocket so the chain tension was tight.

<u>Labor</u>

Description Customer Labor		Amount \$118.75
Shop Supplies		\$8.91
• • • • • • • • • • • • • • • • • • • •	Total labor	\$127.66

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

96689

Parts:

Qty Part Number 1.00 87470737-CAS Description CHAIN **Price** \$96.64 Ext. Price

Total Parts

\$96.64 \$96.64

Tax

Total WO

\$224.30

WO#: 148450 SV RETHRASHER REPAIRS

Comments: Removed the loose tailings drive pulley on the rethrasher and made sure nothing was broken. Installed a new pulley and made sure the set screws were completely tight. The rethrasher housing was also cracket in the upper front corner. Ground down the area and welded up the crack. Once the weld had cooled we repainted the area. The customer complained that the stationary knives wouldnt stay engaged. Looked the stationary knives over and picked some crop residue out of the linkage. The adjustor handle was not completely seating into the setting notches. There were no adjustements that I could make to adjust the handle. Heated up the handle and bent it inward so the handle seated into the setting notches deeper.

Labor

DescriptionAmountCustomer Labor\$575.70Shop Supplies\$43.18Total labor\$618.88

Tax

Tax Total WO

\$618.88

Amount

\$2.85

WO#: 148451 SV CHANGE FLUIDS AND FILTERS

Description

Comments: Changed the hydraulic filters and PTO filter. Replaced both fuel filters and bled the air from the system. Removed the cab air filter and vaccumed out the compartment then replaced filter. We also changed out the crankcase breather filter.

Labor

	Customer Labor			\$382.85
	Shop Supplies			\$28.71
			Total labor	\$411.56
<u>Parts:</u>				
Qty	Part Number	Description	Price	Ext. Price
1.00	84058793-CAS	FILTER, CAB	\$70.77	\$70.77
1.00	504209107-NHL	FILTER, AIR	\$54.48	\$54.48
1.00	84348883-CAS	FILTER, FUEL	\$29.78	\$29.78
1.00	277311A1-CAS	FILTER, HYDRAULIC OI	\$98.37	\$98.37
1.00	254353A1-CAS	FILTER, HYDRAULIC OI	\$101.54	\$101.54
1.00	294721A1-CAS	FILTER, HYDRAULIC OI	\$51.47	\$51.47
1.00	84480523-CAS	FILTER, FUEL	\$53.20	\$53.20
2.00	2996234-CAS	GASKET	\$12.48	\$24.96
1,00	87682993-CAS	FILTER, AIR	\$44.67	\$44.67
1.00	500383042-CAS	SCREW	\$2.13	\$2.13
1.00	143945A2-CAS	PKG-HYTRAN F	\$43.82	\$43.82
1.00	140040/12-0/10		Total Parts	\$575.19

Sold To:

JOHN MCCONNELL

SERVICE ORDER:

96689

Total WO

\$989.60

WO#: 148453 SV REPAIR DISPLAY HARNESS

Comments: Removed a few plastic components from under the armrest for access to the display harness. Unplugged the harness and removed it. Ran the new display harness and plugged it in. Reinstalled the plastic armrest pieces.

<u>Labor</u>

Description Customer Labor		Amount \$71.25
Shop Supplies		\$5.34
	Total labor	\$76.59

Parts:

Qty	Part Number	Description	Price	Ext. Price
1.00	87579738-CAS	HARNESS, WIRE	\$66.74	\$66.74
			Total Parts	\$66.74

Tax	
Total WO	\$143.33