

TITAN MACHINERY - HASTINGS
 1660 S BALTIMORE AVE
 PO BOX 518
 HASTINGS NE 68902-0518

TITAN MACHINERY

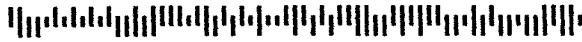
Questions?

Phone: 402 - 463 - 0544

Phone: 800 - 382 - 2885

Email: AR.Hastings@titanmachinery.com

Customer Number: 4940462
 473 2 FP 0.460 E0099X 10737 D7852480695 S2 P8411691 0001-0009



SHIP TO:
 TITAN MACHINERY
 1660 S BALTIMORE AVE
 HASTINGS NE 68901-7784



DALE NEEDHAM
 2478 E RD
 CAMPBELL NE 68932-2600

Invoice #: 15781562 - GS	Service Order #: 1291264 CL	Closed Date: 07/15/2021
Sold By: CHARLES MONTER		Make: CASE IH
Cust PO:	Model: 2388	
Cust Fleet #:	Serial #: JJC0198344	
Job Desc: UPTIME INSPECTION	Tag: 1594177	Hours: 3479.00 - (Engine hours) (2338 rotor hrs)

Service Order Summary

WO #	WO Description	WO Total
2232821 SV	UPTIME INSPECTION	\$499.00
2232824 SV	FEEDER HOUSING AREA	\$2,198.78
2232825 SV	ROTOR, CAGE, CONCAVES, & GRATE	\$5,643.79
2232826 SV	AUGER BED AREA	\$125.75
2232827 SV	CLEANING FAN AND SIEVES	\$2,943.59
2232828 SV	BEATER/DISCHARGE AND SPREADERS	\$1,076.25
2232829 SV	GRAIN/TAILINGS ELEVATORS/AUGER	\$7,113.58
2232830 SV	GRAIN TANK & UNLOADING SYSTEM	\$39.25
2232831 SV	HYDRAULIC SYSTEM	\$897.15
2232832 SV	ENGINE AND PTO	\$560.46
2232833 SV	DRIVE TRAIN AND WHEELS	\$146.35
2232837 SV	A/C AND CAB	\$831.51
2261435 SW	ROTOR SPEED ADJUSTMEN BEARING	No Charge

Payment Information

NEEDHAM, DALE
 CNH PROMO 0359 \$750 Min with 0% APR for 90 days
 2397
 \$750 Min with 0% APR for 90 days
 Trans ID: 0126JA16OF00P796IU2F4GOOPNC8PQAF
 Client ID: 3218739003

\$22,075.46

Store ID: 1414880007

TOTAL INVOICE	\$22,075.46
TOTAL DUE	\$0.00

TO PAY/VIEW DETAILS ONLINE GO TO:

<https://titanmachinery.billtrust.com>

CUSTOMER NUMBER	ENROLLMENT TOKEN
4940462	RFW SHV LWV

Remit to: Productivity Plus Account, Dept 93 - 1157602750, PO Box 70612, Philadelphia PA 19176-0612

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.

Invoice is to be paid in full. Titan may be entitled to a lien on the repaired equipment for any unpaid balance, as permitted by law.

Terms and Conditions: All invoices are due net 30 days from the date of invoice or per existing terms agreement with Titan machinery. A service charge will be assessed equal to the lesser of 1.5% per month of the maximum rate permitted by law on all delinquent accounts, until paid in full.

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Sold To: DALE NEEDHAM
SERVICE ORDER: 1291264

WO#: 2232821 SV UPTIME INSPECTION

Comments:

3479 eng. hrs., 2338 sep. hrs. | -Inspected combine, test ran combine and began getting parts quote. (Gw) | -Walked customer through the inspection of combine & finished parts & time quote. (GW)

Labor:

Description	Amount
Uptime Inspection	\$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#: 2232824 SV FEEDER HOUSING AREA

Comments:

-Took apart tensioner pulley and began replacing the 2 supports. (Gw) | -Adjusted pulley and put new door seal on. (Gw) | -Pulled feeder house off. (GW) | -Replaced the header drive belt. (GW) | -Put feeder house back on and greased machine. | -Test ran. | (GW) | -Helped extract rotor bolt. (qb) | -Found that the tensioner pulley for the header drive was ridding against the lower pulley of the feeder drive. | -The supports for the tensioning area were worn & in need of replacement, this was caused by time of operation. | -Replaced the supports & the pulley. | -Adjusted the pulley so that the belt would ride properly on the belt & would not rub on the lower pulley of the feeder drive. | -The door seal on the bottom of the feeder house was worn & in need of replacement, this was caused by grain traveling over it. | -Used an air hammer to remove the bolts on the seal & then drilled out the rivets, then riveted them on the new seal. | -In order to get the rotor out, had to remove the feeder house from the combine. | -With the feeder house off the combine, was easier to replace the header drive belt. | -Removed the shields around the header drive belt, slipped it out and slipped in a new one. | -Then put the shields back onto the feeder house. | -Once had the rotor put back into the combine, put the feeder house back onto the combine. | (GW)

Labor:

Description	Amount
Labor	\$1,272.53
Shop Supplies	\$95.44
Total Labor	\$1,367.97

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	176579C1	BRG.PULLEY	D20	\$84.25	\$84.25
1.00	CAS	182322C1	SUPPORT	A70	\$132.00	\$132.00
1.00	CAS	182323C1	SUPPORT		\$29.00	\$29.00
1.00	CAS	1319962C1	SEAL	PB19	\$38.00	\$38.00
10.00	CAS	151-573	RIVET,.187X.575,BRK.MNDRL.,PO	E74	\$0.68	\$6.80
8.00	CAS	86511973	SCREW	V8E	\$0.41	\$3.28
8.00	CAS	196922C1	NUT	V8G	\$1.65	\$13.20
1.00	CAS	393750A1	BELT, HEADER DRIVE 60 IN COMB	PB05	\$498.00	\$498.00
2.00	CAS	1302308C1	BUSHING	V4F	\$13.00	\$26.00
2.00	FAN	1137341	3/8 SERATED LOCK NUT	V8F	\$0.14	\$0.28
Total Parts						\$830.81
Tax						\$0.00
Total WO						\$2,198.78

WO#: 2232825 SV ROTOR, CAGE, CONCAVES, & GRATE

Comments:

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 SERVICE ORDER: 1291264

-Began pulling the rotor, found problem with the threads of the rotor stem. (GW) | -Pulled rotor, removed the sieve bars, and began welding up thin spots in cone. (GW) | -Took sieve bars off, put new carrier bearing in front of rotor. (GW) | -Took apart torque sensing unit. (GW) | -Put new rotor belt on & put the torque sensing unit back together, & welded up a few thin spots in cone. (GW) | -Cleaned up. (GW) | -Put new shaft in, new veins, & 3 of 4 new sieve bars. (GW) | -Put rotor in. (GW) | -Rethreaded the nose of the rotor. (GW) | -When test running the combine, noticed the rotor drive belt was slipping. | -The belt was in need of replacement due to cracks in-between the lobes & the belt was slipping due to the torque sensing unit being worn down. | -This was caused by age and time of operation. | -Began rebuilding the torque sensing unit by removing the separator drive belt, then compressing the spring, then removed the snap ring that retained everything & then slowly began relaxing the spring. | -Once the spring was relaxed, removed the hub & replaced the rollers, bushings & rotating bolts. | -Put the rebuilt hub & new spring on the rotor gearbox, compressed the spring & put the snap ring onto the splined shaft. | -Then began working on replacing the rotor belt. | -Began by cutting out the old belt, then rotating the rotor gearbox closer to the drive pulley. | -Then disassembled the driveline to the forward gearbox & the speed adjustment unit in order to get the new belt around the drive pulley. | -While had the speed adjustment unit apart, replaced the thrust bearings in it & then reassembled it. | -Then moved the rotor gearbox back to the original position and tightened it down. | -Then began removing the rotor from the combine. | -Attached the rotor tool to the rotor & while putting the new grade 8 bolt into the rotor stem, dropped a thread & became nearly immovable. | -After getting the bolt removed, had to run a tap though the threads in order to get the rotor removed. | -With threads clean was able to properly mount the rotor tool to the rotor & remove it. | -With the rotor out, found that the rotor had worn into the shim washer & the bearing, along with spinning on the shaft. | -The shaft, bearing, & shim washers needed replacement. | -Also noticed that the sieve bars were wearing substantially & needed to be replaced. | -Unbolted them and bolted on new ones. | -Then put the new shaft, bearing, and shim washers onto the rotor & bolted on the rotor tool. | -Then put the rotor back into the combine and bolted in the front plate. | -Then bolted on the cogged spacer for the rotor speed sensor, found that did not have the cog spaced correctly & while removing the bolt it dropped a thread. | -The bolt broke off & had to drill out the remaining of the bolt. | -After getting the rest of the bolt removed, ran tap through the threads to make sure they were clean & ran a die over new bolt to make sure it was clean. | -Then shimmed the cog correctly and bolted in onto the rotor. | (GW)

Labor:

Description	Amount
Labor	\$3,055.20
Shop Supplies	\$79.41
Total Labor	\$3,134.61

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext Price
1.00	CAS	84330075	BEARING, BAL	A26	\$73.00	\$73.00
2.00	CAS	495-81097	WASHER		\$13.00	\$26.00
5.00	CAS	183449C1	WASHER		\$5.00	\$25.00
1.00	CAS	244423A5	BELT, ROTOR DRIVE COMBINE	PB09	\$545.00	\$545.00
1.00	CAS	110844A2	SPRING		\$87.75	\$87.75
1.00	CAS	B94620	KIT		\$159.00	\$159.00
2.00	CAS	278927A1	BEARING <i>front rotor bearing</i>	A46	\$92.00	\$184.00
1.00	CAS	188210C91	BRG.NEEDLE	A15	\$116.00	\$116.00
1.00	CAS	256057A1	PACKAGE	D43	\$440.00	\$440.00
1.00	CAS	191545C2	SHAFT,ROTO		\$355.00	\$355.00
1.00	CAS	86632566	PIN		\$12.00	\$12.00
4.00	CAS	1303038C2	STR. BAR	I13	\$60.00	\$240.00
28.00	CAS	86512174	LOCKSCREW HEX	V8F	\$0.89	\$24.92
1.00	CAS	186075C2	SUPPORT-VANE TUBE	I13	\$21.75	\$21.75
1.00	CAS	188192C3	VANE		\$146.00	\$146.00
7.00	CAS	433734A1	T-BOLT	V6I	\$4.40	\$30.80
37.00	FAN	1137341	3/8 SERATED LOCK NUT	V8F	\$0.14	\$5.18
6.00	FAN	GR8	GR 8 HARDWARE	DIS	\$1.45	\$8.70
2.00	CAS	1324105C1	T-BOLT	V6K	\$4.40	\$8.80
2.00	FAN	1137341	3/8 SERATED LOCK NUT	V8F	\$0.14	\$0.28
Total Parts						\$2,509.18
					Tax	\$0.00

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SERVICE ORDER: 1291264

Total WO \$5,643.79

WO#: 2232826 SV AUGER BED AREA

Comments:

-It is a common problem for these combines to have cracks on the trough of the auger bed. | -This combine did not have any that had found but in order to be cautious went a head & put in the updated strengthening strap in the inside of the auger bed troughs. | (GW)

Labor:

Description	Amount
Labor	\$14.25
Total Labor	\$14.25

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
2.00	CAS	87313058	STRAP BACKING AUGER TROUGH	G03	\$55.75	\$111.50
Total Parts						\$111.50
Tax						\$0.00
Total WO						\$125.75

WO#: 2232827 SV CLEANING FAN AND SIEVES

Comments:

-Took apart cleaning fan pulley assembly, | -Replaced the inner pulley along with the jack shaft belt & the 6-sided belt. | -Removed the sieves and removed on needle bearing assembly. | (GW) | -Replaced the clean grain elevator side shaker pivot point with wishbone. | -Removed other side to begin modifications to make update fit. | (GW) | -Helped Gauge remove sieves, and install sieves. (qb) | -Put left side bracket on and put sieves back in. (GW) | -Put belts on and put hub on the cleaning fan. (GW) | -During inspection noticed there to be cracks around the pivot point of the front shaker arm, this was caused by the structure not being supported enough. | -Fixed this by replacing the old style pivot point with a new wishbone style pivot point. | -In order to put in the new wishbones, had to remove the sieves & drill two new holes, then was able to mount up the new wishbones. | -While had the sieves out, welded up a crack and re-enforced it with a piece of strapping. | -Put the sieves back in, bolted them down & put the shaker arms into the new pivot points. | -On the cleaning fan noticed that the inner pulley & 6-sided belt were in need of replacement. | -While disassembling the cleaning fan system noticed that the outer thrust bearing had eaten into the hub & both were in need of replacement. | -After ordering the parts, removed the hub from the pulley & finished disassembling the rest of the upper cleaning fan system in order to get to that inner pulley. | -After replacing the pulley, reassembled the system & replaced the hub & bearing when I got it in. | (GW)

Labor:

Description	Amount
Labor	\$1,684.35
Total Labor	\$1,684.35

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
2.00	CAS	B95353	KIT		\$345.00	\$690.00
1.00	CAS	193948C1	PULLEY	A106	\$91.00	\$91.00
1.00	CAS	87476487	BELT RIGHT SIDE DRIVE COMBINE	PB04	\$282.00	\$282.00
1.00	CAS	48007737	HUB	D47	\$147.00	\$147.00
1.00	CAS	168215C92	BEARING	A23	\$45.00	\$45.00
1.00	CAS	86637978	CLAMP, 9.55MM	HOSE9	\$3.25	\$3.25
1.00	CAS	87414	FITTING, LUBE	V6D	\$0.99	\$0.99
Total Parts						\$1,259.24
Tax						\$0.00
Total WO						\$2,943.59

WO#: 2232828 SV BEATER/DISCHARGE AND SPREADERS

Comments:

-Began putting bearings in shafts, are very rusted, will take longer than expected. (GW) | -Pulled shafts on spreader. (GW) | -Put new bearings in, cleaned paint off of shaft so it would slide in and out. (GW) | -Put shafts in and adjusted bearings so gears ran smoothly together. (GW) | -Noticed during inspection that the

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SERVICE ORDER: 1291264

drive pulley was missing a bolt. | -After spinning the two tensioning pulleys was able to tell that their bearings were beginning to go out, & the bearings in the shafts were on their way out. | -Removed the roll pins from the shafts, removed all the paint off the shaft, then was able to remove the shafts from the bearings. | -Replaced the seven bearings that the shafts ride in. | -Put the shafts and gears back in and put the pulleys on. | -Put a new belt on and tensioned it down. | (GW)

Labor:

Description	Amount
Labor	\$641.25
Total Labor	\$641.25

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	84172256	BELT SPREADER DRIVE COMBINE	PB03	\$86.00	\$86.00
1.00	CAS	566518R91	BRG.PULLEY	D14	\$37.00	\$37.00
1.00	CAS	428848A1	PULLEY, STRAW SPRD IDLER	D09	\$35.00	\$35.00
7.00	CAS	47508387	HEX BEARING	A26	\$37.50	\$262.50
2.00	CAS	47390041	PIN, COILED, .250 X 1.50 HVY	V8I	\$3.30	\$6.60
1.00	CAS	438-32424	PIN	V8I	\$5.90	\$5.90
1.00	CAS	145913	BOLT FG .313 X .75 UNC GR5	V8E	\$1.90	\$1.90
1.00	FAN	1137339	5/16-18 FLANGE NUT	V8F	\$0.10	\$0.10
Total Parts						\$435.00
					Tax	\$0.00
Total WO						\$1,076.25

WO#: 2232829 SV GRAIN/TAILINGS ELEVATORS/AUGER

Comments:

-Pulled elevator head, & began removing tailings return to get to the clean grain elevator. (GW) | -Pulled tailings return. (GW) | -Began pulling shields off around the clean grain elevator. (GW) | -Pulled the clean grain elevator housing out. (GW) | -Moved stuff over from the old elevator to the new elevator. (GW) | -Helped Gauge remove tailings elevator & clean grain elevator. (qb) | -Put elevator housing in. (GW) | -Rebuild head of clean grain elevator. (GW) | -Put clean grain elevator head on & drug in the clean grain elevator chain. (GW) | -Put tailings elevator on. (GW) | -The clean grain system was wearing due to time of operation & grain passing through it. | -The head had a hole in it on the left hand sheet metal & many others were showing substantial wear. | -Also found a hole in the housing of the clean grain elevator & a broken paddle on the clean grain elevator chain. | -Began by using the hoist to remove the head of the clean grain elevator. | -After getting the head removed, removed the tailings return elevator in order to get to the clean grain elevator. | -Was able to unbolt the base of the elevator from the boot & slide it out from the combine after removed the sheets that attach it to the grain tank. | -With the housing out, replaced the rear side of the clean grain boot because it was wearing thin on the bottom edge. | -Put the housing back into the combine and bolted it down to the lower boot. | -Put the panels back on then attached the housing to the grain tank. | -With the head on the ground, completely rebuilt it, replacing both sides of the tub, the left hand plate, the bottom auger plate, both top arched plates & the right hand plate. | -Also had to replace the bearings on the elevator head shaft and lock collars to go with them. | -Once the head was rebuilt was able to put it back into the grain tank and bolt it back down. | -Put the tailings return elevator back on. | -Put new thrust bearings, needle bearings & shim washers in the upper tailings return auger & tension the paddle chain on it. | -Also put a new tensioning sprocket on the tailings return. | -Then drug in a new paddle chain for the clean grain elevator & put two new tensioning sprockets on the clean grain elevator. | -With both elevators on, put new drive chains on and tensioned them up. | (GW)

Labor:

Description	Amount
Labor	\$3,163.50
Total Labor	\$3,163.50

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	1321560C3	TROUGH	I11	\$172.00	\$172.00
1.00	CAS	199006A2	TUBE	UP65	\$198.00	\$198.00
1.00	CAS	1321550C2	SUPPORT	J11	\$80.75	\$80.75
1.00	CAS	1979134C1	SUPPORT		\$113.00	\$113.00

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1.00	CAS	87675649	SIDE/ASSY ELEVATOR HEAD LH PT	I15	\$131.00	\$131.00
1.00	CAS	87675650	SIDE/ASSY ELEVATOR HEAD RH PT	I15	\$132.00	\$132.00
1.00	CAS	47577196	BEARING, BAL	A21	\$35.00	\$35.00
2.00	CAS	47508396	COLLAR BEARING LOCK	A61	\$12.00	\$24.00
1.00	CAS	84156951	PLATE, LARGE	D44	\$120.00	\$120.00
1.00	CAS	1317456C6	HOUSING, GRAIN ELEVATOR		\$1,535.00	\$1,535.00
1.00	CAS	1317437C1	COVER/A	A106	\$90.00	\$90.00
1.00	CAS	87313692	CHAIN	UP40	\$445.00	\$445.00
9.00	CAS	1740DDX	50 CHAIN DRIVE US 100' REEL	CHAIN	\$5.95	\$53.55
1.00	CAS	B504966	50 S/C CO LK USA CHAIN	CH 5	\$3.20	\$3.20
14.00	CAS	1740DDX	50 CHAIN DRIVE US 100' REEL	CHAIN	\$5.95	\$83.30
1.00	CAS	B504966	50 S/C CO LK USA CHAIN	CH 5	\$3.20	\$3.20
3.00	CAS	103244	SPROCKET	D10	\$22.00	\$66.00
2.00	CAS	574940R91	BRG, CAGED NEEDLE ROLLER	A46	\$16.00	\$32.00
2.00	CAS	G13609	BRG. THRUST	V1F	\$4.95	\$9.90
2.00	CAS	T38017	WASHER-BRG	V6E	\$8.00	\$16.00
1.00	CAS	189456A1	PLATE		\$80.00	\$80.00
1.00	CAS	238646A1	COVER		\$270.00	\$270.00
2.00	FAN	11258307	5/16X1 TRUSS MACHINE SCR	V8F	\$0.41	\$0.82
1.00	CAS	1317412C2	SPROCKET	D53	\$76.50	\$76.50
1.00	CAS	1321039C2	SPROCKET		\$36.00	\$36.00
2.00	CAS	47577196	BEARING, BAL	A21	\$35.00	\$70.00
2.00	CAS	47508396	COLLAR BEARING LOCK	A61	\$12.00	\$24.00
2.00	CAS	564592R91	SEAL	V5K	\$14.00	\$28.00
4.00	FAN	11258307	5/16X1 TRUSS MACHINE SCR	V8F	\$0.41	\$1.64
2.00	CAS	145913	BOLT FG .313 X .75 UNC GR5	V8E	\$1.90	\$3.80
2.00	FAN	1137339	5/16-18 FLANGE NUT	V8F	\$0.10	\$0.19
1.00	CAS	241-15113	LINK	CH 19	\$8.25	\$8.25
4.00	FAN	1137339	5/16-18 FLANGE NUT	V8F	\$0.10	\$0.38
4.00	CAS	145913	BOLT FG .313 X .75 UNC GR5	V8E	\$1.90	\$7.60
Total Parts						\$3,950.08
Tax						\$0.00
Total WO						\$7,113.58

WO#: 2232830 SV GRAIN TANK & UNLOADING SYSTEM

Comments:

-Put a new idle sprocket on the drive chain of the unloading system. (GW)

Labor:

Description	Amount
Labor	\$14.25
Total Labor	\$14.25

Parts:

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

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	278927A1	BEARING	A46	No Charge	No Charge
					Total Parts	No Charge
					Tax	No Charge
					Total WO	No Charge

KEARNEY
 714 3RD AVE
 PO BOX 548
 KEARNEY NE 68847-0548
 Phone: 308-237-3128
 Phone: 800-245-6026
 Fax: 308-234-4213

TITAN **MACHINERY**

See us for all of your
 Parts and service solutions

SERVICE ORDER: 690403 CL

Closed Date: 11/14/2016

Sold To: 4940462
 DALE NEEDHAM
 2478 E RD
 CAMPBELL NE 68932-2600

Ship To: 21699
 TITAN MACHINERY
 714 3RD AVE
 PO BOX 548
 KEARNEY NE 68847-0548

Invoice #:	690403 CL	Make:	CASE IH
Sold by:	BRYCE PARKER	Model:	2388
Cust PO:		Serial #:	JJC0198344
Cust Fleet#:		Tag:	1594177
Job Desc:	REPAIR VERTICAL UNLOAD SYSTEM	Hours:	3033.0 <i>(engine hrs) (2068 net hours)</i>

Service Order Summary

WO #		
1103876 SV	REPAIR VERTICAL UNLOAD SYSTEM	\$8,757.97

TOTAL INVOICE		\$8,757.97
Payment Information		
DALE NEEDHAM/PRODUCTIVITY PLUS ACCOUNT		CREDIT CARD \$8757.97
2397		
Trans ID: 01Z6ETKKJK00P6N69ANEN1QLEVBKK407		
Client ID: 3218739003 Store ID: 1414890005		
Remit to: Productivity Plus Account, PO Box 78004, Phoenix, AZ 85062-8004		
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.		
X _____ Customer Signature		
Phone: Cell Phone:		

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.

KEARNEY

Sold To: DALE NEEDHAM
 SERVICE ORDER: 690403

WO#: 1103876 SV REPAIR VERTICAL UNLOAD SYSTEM

Comments:

Brought combine into shop. Replaced lower sump on vertical unload auger. Removed vertical and horizontal auger sent in to be rebuilt. Replaced unloader vertical tube. Replaced jackshaft on unloader drive and bearings. Installed bin liners. Did not do the harness on the tailings. Checked out A/C and found valve leaking at the compressor. Replaced valve and filled with Freon.

Labor:

Description	Amount
Labor	\$4,921.35
Trucking - Service	\$420.00
Shop Supplies	\$174.85
Total Labor	\$5,516.20

Parts:

Qty	Vendor	Part Number	Description	Bin	Price	Ext. Price
2.00	NHL	47577162	BALL BRG	H84	\$27.75	\$55.50
2.00	CAS	47508357	LOCKING COLLAR	H20	\$15.00	\$30.00
1.00	CAS	473093R92	BEARING	H92	\$43.00	\$43.00
1.00	CAS	473093R92	BEARING	H92	\$43.00	\$43.00
2.00	NHL	47577188	COLLAR	H21	\$14.25	\$28.50
1.00	CAS	87379136	RETAINER	UPG48	\$57.50	\$57.50
4.00	CAS	47577183	COLLAR-BRG	H20	\$7.10	\$28.40
4.00	NHL	84330070	BRG, BALL	H77	\$14.75	\$59.00
1.00	CAS	47577191	BEARING	H18	\$49.75	\$49.75
1.00	CAS	160796C91	BRG, BALL	H51	\$38.75	\$38.75
2.00	NHL	50591	FLANGE	H13	\$2.40	\$4.80
1.00	CAS	B95650A	AUGER - <i>vertical tube kit</i>	WH16	\$970.00	\$970.00
1.00	CAS	1347352C1	JACKSHAFT		\$155.00	\$155.00
1.00	CAS	192475C3	HOUSING - <i>sump</i>	WH198	\$920.00	\$920.00
1.00	CAS	182838C1	SUPPORT		\$8.95	\$8.95
1.00	CAS	191087C1	PLATE		\$34.50	\$34.50
1.00	CAS	191110C1	SUPPORT		\$45.25	\$45.25
1.00	CAS	192828C1	SUPPORT	UPH29	\$58.75	\$58.75
1.00	MIS	AGTC001	TANK AUGER LINER	UPM02	\$476.00	\$476.00
50.00	CAS	F1137339	NUT, FLANGE	VD5-10C	\$0.09	\$4.50
50.00	CAS	F3014016	SCREW	VD3-10B	\$0.19	\$9.50
12.00	CAS	F1137341	3/8 FLANGE NUT	VD5-10D	\$0.17	\$2.04
1.00	CAS	ZPX25223	INSTANT GASKET 4 OZ	CHEMICAL	\$25.00	\$25.00
1.00	MIS	IRON			\$2.58	\$2.58
8.00	CAS	F3014016	SCREW	VD3-10B	\$0.19	\$1.52
8.00	CAS	F1137339	NUT, FLANGE	VD5-10C	\$0.09	\$0.72
16.00	CAS	F1137339	NUT, FLANGE	VD5-10C	\$0.09	\$1.44
16.00	CAS	F3014016	SCREW	VD3-10B	\$0.19	\$3.04
8.00	MIS	WASHER		DISPLA	\$0.54	\$4.32
3.00	MIS	WASHER		DISPLA	\$0.49	\$1.47
11.00	CAS	F1119931	BOLT, FLANGE	VD3-9D	\$0.53	\$5.83
14.00	CAS	F1137341	3/8 FLANGE NUT	VD5-10D	\$0.17	\$2.38
1.00	NAV	2503677C1	CORE	VD10-3F	\$4.63	\$4.63
1.00	CAS	86595276	OFSET LINK-50	VD4-14A	\$3.90	\$3.90
1.00	CAS	47508394	COLLAR-BRG	H20	\$18.25	\$18.25
2.00	NHL	84380422	SPRING	VD2-11E	\$7.00	\$14.00
4.00	CAS	B134A30-1	FREON BY POUND	OIL10	\$7.50	\$30.00
Total Parts						\$3,241.77

Tax
Total WO \$8,757.97

TITAN MACHINERY - HASTINGS
 1660 S BALTIMORE AVE
 PO BOX 518
 HASTINGS NE 68902-0518

TITAN MACHINERY

Questions?

Phone: 402 - 463 - 0544

Phone: 800 - 382 - 2885

Email: AR.Hastings@titanmachinery.com

Customer Number: 4940462
 13183 1 AB 0.461 E0200 10391 D8227181208 S2 P8610530 0002:0005



DALE NEEDHAM
 2478 E RD
 CAMPBELL NE 68932-2600

SHIP TO:
 TITAN MACHINERY
 1660 S BALTIMORE AVE
 HASTINGS NE 68901-7784

Invoice #: 16211525 - GS	Service Order #: 1338983 CL	Closed Date: 10/14/2021
Sold By: CHARLES MONTER		Make: CASE IH
Cust PO:	Model: 2388	
Cust Fleet #:	Serial #: JJC0198344	
Job Desc: REPLACE CONE	Tag: 1594177	Hours: .00 2338 rotor hours

Service Order Summary

WO #	WO Description	WO Total
2326159 SV	REPLACE CONE	\$7,828.02
2329961 SW	IDLER PULLEY BAD BEARING	No Charge

This is a **COPY** of an invoice from a recent visit to our store.

If you would like to stop receiving this copy of your invoice, please call us at the number above or if you would like to receive this copy via email, please email us at the email address listed above.

Thank you for your business!

Payment Information

DALE NEEDHAM/PRODUCTIVITY PLUS ACCOUNT 2397 CREDIT CARD

\$7,828.02

TOTAL INVOICE	\$7,828.02
TOTAL DUE	\$0.00

Trans ID: 0126JHHFEI00P7A3PJQHOC3J19T7BOU0
 Client ID: 3218739003

Store ID: 1414880007

TO PAY/VIEW DETAILS ONLINE GO TO:

<https://titanmachinery.billtrust.com>

CUSTOMER NUMBER	ENROLLMENT TOKE
4940462	RFW SHV LWV

Remit to: Productivity Plus Account, Dept 93 - 1157602750, PO Box 70612, Philadelphia PA 19176-0612

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.

Invoice is to be paid in full. Titan may be entitled to a lien on the repaired equipment for any unpaid balance, as permitted by law.

Terms and Conditions: All invoices are due net 30 days from the date of invoice or per existing terms agreement with Titan machinery. A service charge will be assessed equal to the lesser of 1.5% per month of the maximum rate permitted by law on all delinquent accounts, until paid in full.

TITAN MACHINERY - HASTINGS
 1660 S BALTIMORE AVE
 PO BOX 518
 HASTINGS NE 68902-0518

TITAN MACHINERY

HASTINGS

Sold To: DALE NEEDHAM
SERVICE ORDER: 1338983

WO#: 2326159 SV REPLACE CONE

Comments:

-Drove out to combine because customer could not get unloader to swing in. | -Loosened elbow clamp bolts & helped cylinder swing in by pulling on a rope. | -Drove back to the shop. | (au) | -Removed tailing auger bearing. | -Replaced missing bolt. | (BS) | -Adjusted the clean grain elevator paddle chain. | -Removed the reverser & cleaned out the drive to get it to return all the way back in. | -Tested on test stand and it worked. | -Installed on the combine. | -Tested on the combine and it worked. | -Installed a new reverser drive chain and adjusted. | -Checked unloader out not moving all the time. | -Ran unloader in and out and greased at the same time. | -The unloader went in & out a dozen or so times & worked every time. | -Took the combine out of the shop and test ran and seemed good. | 2388 (bu) | -Put tailings auger bearing back together. | -Removed reverser motor. | -Ran on test stand, cleaned dirt out of Bendix. | -Re tested, everything worked fine. | -Adjusted clean grain elevator chain. | -Ran combine checked over auger. | (BS) | Complaint: | -Hole in transition cone. | Cause: | -Wear and tear. Correction: | -Removed electrical & hydraulic lines from feeder house. | -Hooked up forklift to feeder house. | -Removed lift cylinders. | -Chain feeder house to forklift. | -Removed pins holding feeder into place. | -Removed feeder drive belt shield and removed belt. | -Removed feeder house and sat aside. | -Hooked roto tool to forklift. | -Unbolted rotor from combine. | -Removed rotor with forklift and sat aside. | -Removed bolts holding cone into place. | -Used cherry picker to hold cone & removed cone. | -Removed clean out door from old cone. | -Installed clean out door onto new cone. | -Removed draw bar holding concaves into place. | -Removed front concave. | -Unbolted and removed lower cone support bracket. | -Installed new lower cone support bracket and bolted into place. | -Used silicone to seal creases and gaps where needed. | -Installed new cone and bolted into place. | -Used silicone to seal gaps and creases on new cone. | -Reinstalled rotor and bolted in. | -Reinstalled feeder house onto combine. | -Hooked up hydraulic cylinder & locked in with pins. | -Reinstalled feeder drive belt and shielding. | -Reinstalled electrical and hydraulic lines. | (qb) | Complaint: | -Clean grain paddle chain top sprocket crooked. | Cause: | -Sticking on one side and not pulling up. | Correction: | -Removed tension on clean grain paddle chain. | -Removed side locking plates & bent tabs a little to let it slide smoothly. | -Tensioned clean grain paddle chain evenly & shaft is now level & square. | (qb) | Complaint: | -Cap missing on A/C fill port. | Cause: | -Fell off or missing. | Correction: | -Installed new a/c fill cap & made sure it wouldn't fall off. | (qb) | Complaint: | -Auxiliary belt flopping. | Cause: | -Tensioner wasn't tight. | Correction: | -Tensioned auxiliary belt down until tube was snug. | (qb) | Complaint: | -Header drive belt tensioner pulley rubbing. | Cause: | -Tensioner pulley miss aligned. | Correction: | -Removed tension on header drive belt. | -Adjusted tensioner arm over so pulley had clearance. | -Tensioned header drive belt. | -Spun feeder forward and reverse to verify no rubbing. | (qb) | Complaint: | -Unloader auger won't swing in and out correctly. | Cause: | -Not enough grease on elbow. | Correction: | -Loosened elbow clamps. | -Operated unload auger and greased. | -Tightened elbow clamps. | -Checked operation. | (qb)

Labor:

Description	Amount
Labor	\$4,838.75
Shop Supplies	\$174.85
Total Labor	\$5,013.60

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	47502133	TRK-CONE	WS31	\$2,349.00	\$2,349.00
1.00	CAS	894552	KIT	D59	\$102.00	\$102.00
1.00	CAS	122554A1	CAP, HIGH SIDE SERVICE PORT	V61	\$3.75	\$3.75
4.00	FAN	GR8	GR 8 HARDWARE	DIS	\$1.45	\$5.80
1.00	CAS	195202C1	SEAL	D32	\$22.00	\$22.00
2.00	CAS	195409C1	SUPPORT	D33	\$36.00	\$72.00
6.00	FAN	1137339	5/16-18 FLANGE NUT	V8F	\$0.12	\$0.72
1.00	CAS	192385C1	SUPPORT	G03	\$145.00	\$145.00
3.00	CAS	145913	BOLT FG .313 X .75 UNC GR5	V8E	\$1.90	\$5.70
1.00	CAS	86512168	SCREW	V8E	\$0.87	\$0.87
1.00	CAS	47577196	BEARING, BAL	A21	\$35.00	\$35.00
1.00	CAS	47508396	COLLAR BEARING LOCK	A61	\$12.00	\$12.00
1.00	CAS	H747188	FLANGETTE	A62	\$8.15	\$8.15
2.00	FAN	11258624	5/16 X 3/4 WHIZ	V8F	\$0.28	\$0.56
1.00	FAN	1137339	5/16-18 FLANGE NUT	V8F	\$0.12	\$0.12
3.00	MIS	0162862	FASTNERS	V6F	\$0.17	\$0.51
1.00	CAS	73344349	GREASE	OIL	\$3.95	\$3.95
5.00	CAS	1741DDX	60H CHAIN DRIVE US 100' REEL	CHAIN	\$8.65	\$43.25

TITAN MACHINERY - HASTINGS
 1660 S BALTIMORE AVE
 PO BOX 518
 HASTINGS NE 68902-0518

TITAN **MACHINERY**

HASTINGS

Sold To: DALE NEEDHAM
SERVICE ORDER: 1338983

1.00	CAS	B504980	60H S/C CO LK USA CHAIN	CH 9	\$4.00	\$4.00
					Total Parts	\$2,814.38
					Tax	\$0.00
					Total WO	\$7,828.02

WO#: 2329961 SW IDLER PULLEY BAD BEARING

Comments:

Complaint: | -Spreader tensioner pulley wobbly and was just replaced. | Cause: | -Faulty bearing in pulley. | Correction: | -Removed tension on spreader drive belt. | -Removed tensioner pulley. | -Installed new tensioner pulley. | -Reinstalled spreader drive belt. | -Tensioned spreader drive belt. | (qb)

Labor:

Description	Amount
Labor	No Charge
Total Labor	No Charge

Parts:

QTY	Vendor	Part Number	Description	Bin	Price	Ext. Price
1.00	CAS	566518R91	BRG.PULLEY	D14	No Charge	No Charge
					Total Parts	No Charge
					Tax	No Charge
					Total WO	No Charge