[redacted]

[redacted]

Invoice: 20106E
Date: 02/16/2016

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer
GU101				11301 [redacted]

Cond	OpCode	T	Description	Quantity	List	Net

Type: COM
Meter In: 2915
RO Open Date: 11/18/15
Sold: 07/09/14

001 PM360
D WINTER SERVICE INSPECTION
D SEPERATOR HOURS = 2072

F PERFORMED WINTER SERVICE INSPECTION AS PER CHECKLIST. PREPARED AN ESTIMATE OF REPAIR AND DISCUSSED WITH THE CUSTOMER. PERFORMED REPAIRS AS DESCIBED BELOW. UPON COMPLETION OF ALL REPAIRS, TEST RAN THE MACHINE AND VERIFIED ALL REPAIRS, WAS OK.

L L LABOR

Subtotal charges this section

002 TRUCKING

L L LABOR
O TKC CUSTOMER HAULING [redacted]
HAULED COMBINE FROM CUSTOMER LOCATION NEAR LORRAINE, KS TO LDI-ELLINWOOD. 11/23/15. TRK. #2. PER SCOTT MEYER

Subtotal charges this section [redacted]

003 ENGINE
D REPAIR FUEL LINES. CLEAN RADIATOR AND COOLERS.

F CLEANED OUT CROP DEBRIS FROM AROUND FUEL LINES. REPLACED THE FUEL LINE FROM THE TANK TO THE FILTER AND THE FIRST HOSE FROM THE FILTER TO THE PUMP WITH NEW. REPLACED THE RETURN LINE FROM THE ENGINE WITH NEW AS WELL. THE STEEL LINES AT THE ENGINE ARE STARTING TO CORRODE AND WILL NEED REPLACED IN THE FUTURE. SECURED ALL LINES WITH ZIP TIES AS NEEDED. STEAM CLEANED AND BLEW OUT THE RADIATOR AND COOLERS.

L L LABOR [redacted]
P 71396792 HOSE
P 71396793 HOSE
P 402294X1 CABLE TIE-
P 71396794 HOSE
P 08U-610 FITTING
P 08U-510D FITTING
P H42508D HOSE/50 FT
P 402294X1 CABLE TIE-
P PM360D DISCOUNT

Subtotal charges this section [redacted]

004 SEPERATOR CLUTCH

F R&R THE SEPARATOR CLUTCH WIRE HARNESS AND REPLACED WITH NEW.

[redacted]

Invoice: 20106E
Date: 02/16/2016

JEREMIAH WELLS

[redacted]

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	785-531-1301

Cond	OpCode	T	Description	Quantity	List	Net	Total
			SECURED HARNESS WITH ZIP TIES. CHECKED THE CLUTCH OPERATION AND AIR GAP, WAS OK.				
▸	L		L LABOR				
			P 71318052 WIRE HARNE				
			P 402294X1 CABLE TIE-				
			P PM360D DISCOUNT				
			[redacted]				
			Subtotal charges this section				
005			FEEDER HOUSE				
			D ADJUST CHAINS AND REPLACE FLOOR				
			F ADJUSTED THE FEED CHAIN AND REVERSER CHAIN TO SPEC. REMOVED THE FLOOR PANEL FROM BEHIND THE BEATER AND BELOW TO FRONT OF THE ROTOR, HAS HOLES WORN THROUGH IT. HAD TO REMOVE THE FAN FOR ACCESS TO THE PANEL. FOUND THAT THE TRANSITION LEDGE PANEL AND FRONT FEED HOUSE FLOOR ALSO WERE WORN THROUGH. REPLACED ALL PANELS WITH NEW. FOUND A ROTOR AUGER HAD A LARGE RECTANGULAR SECTION BROKEN OFF APPROX. 1 1/2" X 4". FABRICATED A NEW PIECE AND WELDED ONTO THE AUGER. REPLACED THE FEEDER BEATER FLIGHTING WITH NEW, REF. CONDITION #016. REMOVED THE TOP RIGHT HAND DEFLECTOR PLATE NEAR THE RETURN. FABRICATED A 2" X 3" PATCH AND WELDED IN PLACE. HARD SURFACED THIS AREA AS NEEDED. REASSEMBLED THE MACHINE AND REINSTALLED THE FAN.				
	L		L LABOR				
			P 71149896 OFFSET LIN	3.00			
			P AG559881 SET SCREW-	1.00			
			P 364224X1 CARRIAGE B	3.00			
▸			P Y704742 FLANGE LOC	6.00			
			P 33491PF BOLT/CARRI	1.00			
			P 363905X1 CARRIAGE B	6.00			
			P 116327W1 FLOOR COVE	1.00			
			P 71409983 FLOOR PANE	1.00			
			P 71409995 PLATE	1.00			
			P 700711238 HEX FLANGE	10.00			
			P Y704726 FLANGE LOC	10.00			
			P 33326PF BOLT/CARRA	5.00			
			P 7883275 MACHINE SC	2.00			
			P 70714 MACHINE SC	7.00			
			P 70931942 NUT/PUSH-O	4.00			
			P ACP0038700 COMPOUND-G	2.00			
			P Y704734 FLANGE LOC	4.00			
			P 33404PF BOLT/CARRI	12.00			
			P Y704734 FLANGE LOC	19.00			
			P SN9683 FLANGE LOC	9.00			

[redacted]

JEREMIAH WELLS

Date: 02/16/2016

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer
GU101				11301

Cond	OpCode	T	Description	Quantity	List	Net	Total
			P 00247780 NUT - HEX				
			P 33304PF NUT,LOCK/L				
			P PM360D DISCOUNT				

Subtotal charges this section

006 CLEAN GRAIN ELEVATOR

D REPLACE CHAIN, SPROCKETS AND BEARINGS.

F DISASSEMBLED THE CLEAN GRAIN ELEVATOR AND REMOVED THE CHAIN. CUT THE OLD BEARINGS OFF THE SHAFTS AND CLEANED WITH EMORY CLOTH. INSTALLED NEW SPROCKETS, BEARINGS AND FLANGES. REPLACED HARDWARE AS NEEDED. INSTALLED A NEW ELEVATOR CHAIN AND ADJUSTED TO SPEC. REPLACED THE BIN AUGER DRIVE CHAIN AND CLEAN GRAIN DRIVE BELT, REF. CONDITION #010. FOUND THAT THE DRIVE SHIEVE WAS LOOSE AND WALKING BACK AND FORTH. REPOSITIONED PROPERLY AND INSTALLED NEW SET SCREWS AS NEEDED. THE ELEVATOR CHAIN WILL NEED ADJUSTED AFTER BREAK IN.

L	L LABOR	1.00
	P 71461493 CHAIN	2.00
	P 71308995 BALL BEARI	4.00
	P 71127313 BEARING FL	1.00
	P 71393526 DOOR	1.00
	P 70916767 PIN	1.00
	P Z50468 BEARING	2.00
	P 17789 BEARING FL	1.00
	P 2412960W1 SPROCKET-1	1.00
	P 368362X1 SPIROL PIN	2.00
	P 71421290 SPROCKET-1	2.00
	P 29780X WOODRUFF K	4.00
	P 70922786 CARRIAGE B	1.00
	P ACP0039130 COMPOUND-L	6.00
	P 49440PF BOLT	1.00
	P ACP0038580 COMPOUND-T	18.00
	P 70931317 CARRIAGE B	1.00
	P 70927035 OFFSET LIN	2.00
	P 50-C LINK,CHAIN	1.00
	P 50-O LINK,CHAIN	1.00
	P 363905X1 CARRIAGE B	4.00
	P 70931942 NUT/PUSH-O	-1.00
	P PM360D DISCOUNT	

Subtotal charges this section

007 RETURN ELEVATOR

D REPLACE CHAIN, SPROCKETS AND BEARINGS.

F DISASSEMBLED THE RETURN ELEVATOR TO REPLACE THE CHAIN. FOUND

JEREMIAH WELLS

Date: 02/16/2016

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				113	

Cond	OpCode	T	Description	Quantity	List	Net	Total

THAT THE CENTER DEVIDER WAS WORN THROUGH APPROX. 3 FEET UP FROM THE BOTTOM. DISCUSSED REPAIR OPTIONS WITH THE CUSTOMER AND WAS ADVISED TO REPLACE ELEVATOR WITH LATER MODEL ELEVATOR AS PARTS WERE MUCH CHEAPER. DISASSEMBLED THE ELEVATOR HEAD TO REPLACE BEARINGS AND SPROCKET AND FOUND EXCESSIVE WEAR ON THE SHAFT. TORCHED THE BEARINGS OFF THE BOTTOM AUGER SHAFT AND INSTALLED NEW BEARINGS, FLANGED AND SPROCKET. REPLACED THE BEARINGS, FLANGES, SHAFT AND UPPER SPROCKET WITH NEW. REASSEMBLED THE ELEVATOR HEAD. ATTACHED TO THE 660B ELEVATOR HOUSING. ATTACHED THE NEW STYLE BOOT TO THE HOUSING AND LIFTED INTO PLACE. ALIGNED THE ELEVATOR AND WELDED THE LOWER BOOT SLIP JOINT TO THE COMBINE FRAME. (THE FRAME OPENING WAS ROUND AND THE NEW STYLE WAS OVAL) MODIFIED THE HOUSING MOUNT BRACKETS AS NEEDED AND ATTACHED THE ELEVATOR AND HEAD TO THE MACHINE. INSTALLED THE NEW ELEVATOR CHAIN AND ADJUSTED. WHILE INSTALLING THE RETURN AUGER, FOUND THAT THE PILLOW BLOCK BEARING WAS BAD. CUT THE BEARING OFF WITH THE TORCH AND REPLACED WITH NEW. FABRICADED A WEAR LEDGE TO MOUNT INSIDE THE BACK SIDE OF THE HOUSING AT THE BOOT AND INSTALLED. INSTALLED THE NEW BOOT DOOR AND HARDWARE. CHECKED THAT THE RETURN CHAIN AND AUGERS TURN FREELY BY HAND, WAS OK. REALIGNED THE DRIVE PULLEYS REINSTALLED THE BELT AND ADJUSTED.

L	L	LABOR	3.00
	P	70590709 BEARING-1-	2.00
	P	71127313 BEARING FL	2.00
	P	Y710293 BEARING FL	1.00
	P	2615233V92 CHAIN	1.00
	P	W9863030 SPROCKET-8	1.00
	P	71390185 SHAFT-1.12	1.00
	P	70915500 ROLL PIN-3	1.00
	P	71460447 DRIVE SPRO	1.00
	P	FREIGHT FREIGHT	1.00
	P	70915502 PIN	1.00
	P	29780X WOODRUFF K	7.00
	P	70922786 CARRIAGE B	1.00
	P	33326PF BOLT/CARRA	1.00
	P	71399802 BRACKET	1.00
	P	71399985 HOPPER	1.00
	P	71401208 TROUGH EXT	1.00
	P	71401212 ELEVATOR B	1.00
	P	71401220 COVER PLAT	1.00
	P	71401221 BEARING PL	1.00
	P	Y705608 WASHER/FLA	1.00
	P	45373PF COTTER PIN	

[redacted]

JEREMIAH WELLS

[redacted]

Date: 02/16/2016

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	[redacted]

Cond	OpCode	T	Description	Quantity	List	Net	Total
			P 33320PF BOLT	21.00			
			P 33301PF NUT	30.00			
			P 70931317 CARRIAGE B	11.00			
			P 33332PF BOLT	1.00			
			P 70922786 CARRIAGE B	5.00			
			P 49440PF BOLT	3.00			
			P 33304PF NUT,LOCK/L	3.00			
			P 2476240W1 U-BOLT-3/8	1.00			
			P 71453735 HANDLE	1.00			
			P 79014653 PAINT BLAC	1.00			
			P ACP0038700 COMPOUND-G	1.00			
			P 10033 BEARING AS	1.00			
			P 7710551 LOCKING CO	1.00			
			P 70927523 CLEVIS PIN	1.00			
			P 71401224 DOOR	1.00			
			P 42530PF NUT	3.00			
			P FX00010 PIN/HITCH,	2.00			
			P FX01104 PIN/CLEVIS	1.00			
			P PM360D DISCOUNT	-1.00			
				Subtotal charges this section			

008 TRANSMISSION & FINAL DRIVES

D REPAIR LINKAGE, CHANGE OIL AND CLEAN BREATHERS.

F DRAINED THE TRANSMISSION AND CLEANED THE SUCTION SCREEN. REPLACED ALL O-RINGS AND REFILLED WITH OIL. DRAINED THE FINAL DRIVES AND CLEANED THE BREATHERS. FOUND WATER IN THE LEFT HAND FINAL DRIVE. REFILLED WITH NEW GEAR LUBE. REPLACED THE HYDROSTAT TENSIONER ROD, SPRINGS AND HARDWARE WITH NEW. ADJUSTED TO SPEC.

L			L LABOR	1.00			
			P 70929593 CLEVIS PIN	1.00			
			P 71304362 BUSHING-14	3.00			
			P 70913744 NUT	1.00			
			P 70925919 O RING	1.00			
			P 70226012 SEALING WA	1.00			
			P 71424734 KIT, SPRIN	1.00			
			P 71380468 ROD	30.00			
			P 79014723P GEAR LUBE	4.00			
			P 364246X1 CARRIAGE B	4.00			
			P SN194 HEX HEAD B	4.00			
			P Y704742 FLANGE LOC	2.00			
			P 33482PF BOLT	4.00			
			P 79023090 CLEANER/BR	1.00			
			P 13811X GREASE FIT				

[redacted]

[redacted]

JEREMIAH WELLS

[redacted]

Date: 02/16/2016

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	[redacted]

Cond	OpCode	T	Description	Quantity	List	Net	Total
			P PM360D DISCOUNT	[redacted]			
			P 79014715Q 821XL				

Subtotal charges this [redacted]

009 HYDRAULICS

D HOSE PROTECTORS

F REPLACED A TEE FITTING AT THE HYDRAULIC VALVE STACK WITH NEW. STEAM CLEANED THE SIDE OF THE MACHINE TO CLEAN OFF ALL OIL. THERE WAS AN AREA WHERE THE SIDE DOOR IS WEARING INTO A STEEL HYDRAULIC LINE. REPAIRED THE AREA WITH EPOXY AND COVERED THE STEEL LINES WITH RUBBER HOSE TO PROTECT THE [redacted]

L L LABOR

P 364735X1 T-PIECE

P 79023090 CLEANER/BR

P PM360D DISCOUNT

P 28410 1/2 HEAT H

P 37513 EPOXY

P OTHER PARTS

4MJ4MJ4FJ TEE FITTING

010 CHAINS & BELTS

F REPLACED THE BIN AUGER DRIVE CHAIN AND CLEAN GRAIN DRIVE BELT WITH NEW. REPLACED THE UNLOADER DRIVE, HEADER DRIVE, VARIABLE SPEED FAN DRIVE AND TANDEM PUMP DRIVE BELTS WITH NEW. CHECKED ALL OTHER BELTS AND CHAINS AND ADJUSTED TO SPEC. LUBED ALL CHAINS. REPLACED THE BEATER IDLER BUSHINGS WITH NEW.

L	L LABOR	1.00
	P 101102M1 BELT-L : 1	2.00
	P 1689170W1 BUSHING-1"	1.00
	P 227455V1 BELT	1.00
	P 71379105 BELT	1.00
	P 71418984 V-BELT-231	2.00
	P 70920737 SETSCREW-1	1.00
	P 71394352 VAR SPEED	1.00
	P FREIGHT FREIGHT	1.00
	P 101276M2 SPRING	1.00
	P FREIGHT FREIGHT	1.00
	P 79021834 LUBRICANT-	-1.00
	P PM360D DISCOUNT	Subtotal charges [redacted]

011 MAIN CLUTCH TENSIONER

F THE CLUTCH TENSIONER ROD AND SPRING RETAINERS WERE WORN OUT.

CUSTOMER FINAL INVOICE

[redacted]

Invoice: [redacted]
Date: 02/16/2016

JEREMIAH WELLS
[redacted]

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	[redacted]

Cond	OpCode	T	Description	Quantity	List	Net	Total

REPLACED THE ROD, BUSHINGS, SPRING, KEEPERS AND CLEVIS PIN WITH NEW. ADJUSTED THE CLUTCH TO SPEC.

L	L	LABOR	2.00
	P	45373PF COTTER PIN	1.00
	P	70929593 CLEVIS PIN	1.00
	P	70924095 SPRING NUT	1.00
	P	71194263 BUSHING-13	1.00
	P	71398385 ROD	2.00
	P	SN669 HEX NUT-5/	1.00
	P	353758X1 PLAIN WASH	1.00
	P	71304362 BUSHING-14	-1.00
	P	PM360D DISCOUNT	Subtotal charges this se[redacted]

012 CHOPPER TENSIONER

F THE CHOPPER TENSIONER SPRING CHAIN WAS MISSING AND WAS HANGING BY A SHOE STRING. INSTALLED A NEW CHAIN AND ADJUSTED TO SPEC.

L	L	LABOR	1.00
	P	112942W1 TETHER STR	1.00
	P	2630100W2 CHAIN	1.00
	P	2441490W1 SPACER	-1.00
	P	PM360D DISCOUNT	Subtotal charges this s[redacted]

013 STEERING

D REPLACE TORN TIE ROD BOOTS

F REMOVED THREE TIE ROD ENDS, CLEANED OUT MILO CROP DEBRIS AND DIRT AND PUSHED GREASE THROUGH EACH JOINT. INSTALLED NEW RUBBER BOOTS AND REPLACED 2 BROKEN GREASE ZERKS WITH NEW. REINSTALLED WITH NEW COTTER PINS. GREASED THE STEERING.

L	L	LABOR	3.00
	P	71403681 BOOT	3.00
	P	45384PF COTTER PIN	2.00
	P	13811X GREASE FIT	1.00
	P	45384PF COTTER PIN	-1.00
	P	PM360D DISCOUNT	Subtotal charges th[redacted]

014 MISC REPAIRS

F CLEANED OUT GRAIN TANK. PREPPED ALL AREAS AROUND SEVERAL CRACKS IN THE FRAME AND WELDED. GROUND OUT CRACKED WELDS ON SHAKER SHOE FRAME AND WELDED. REPAINTED ALL WELDS. REPLACED MISSING ACCUMULATOR HARDWARE. REBUILT THE TAILINGS RETURN DEFLECTOR INSIDE THE CONE. REPLACED MISSING BOLTS ON THE SHAKER SHAFT

[redacted]

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	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	[redacted]

Cond	OpCode	T	Description	Quantity	List	Net

BEARING FLANGES. CHECKED ALL OTHER SHAKER SHAFT HARDWARE AND TIGHTENED AS NEEDED.

[redacted]

L L LABOR

P 79023090 CLEANER/BR 5.00

P 4271801M1 FUSE 10A 1.00

P 402294X1 CABLE TIE- 10.00

P PM360D DISCOUNT -1.00

Subtotal charges this se[redacted]

015 HVAC

D CLEAN OUT HVAC HOUSING AND RESEAL. REPLACE FILTERS.

F REMOVED THE FLOOR AND DRAIN PAN FROM THE EVAPORATOR HOUSING. CLEANED OLD RESIDUE OFF ALL PARTS. BRUSHED AND BLEW OUT THE EVAPORATOR. INSTALLED NEW FOAM SEALS AND RESEALED THE HOUSING. REINSTALLED THE ACCESS PANEL WITH NEW HARDWARE AS NEEDED. REINSTALLED THE EVAPORATOR PAN AND FLOOR. REPLACED THE EVAP FILTER WITH NEW AND SEALED.

L L LABOR

P 71393893 FILTER ELE 2.00

P 71371336 RECEPTACLE 2.00

P 71397934 FOAM TAPE- 1.00

P PM360D DISCOUNT -1.00

Subtotal charges thi[redacted]

016 BEATER

D FLIGHTING IS WORN DOWN.

F FOUND WHILE PERFORMING REPAIRS TO THE FEEDER HOUSE THAT THE FLIGHTING ON THE FEEDER BEATER WERE WORN OUT AND THE MOUNT EARS WERE WEARING DOWN AS A RESULT. THIS IS WHAT IS CAUSING THE BEATER TO PLUG. REMOVED THE OLD FLIGHTING AND REPLACED WITH NEW FLIGHTING AND HARDWARE.

L L LABOR

LABOR 8.00

P 71393101 BEATER FLI 24.00

P 364224X1 CARRIAGE B 1.00

P ACP0038600 COMPOUND-T -1.00

P PM360D DISCOUNT

Subtotal charges [redacted]

017 PACK WHEEL BEARINGS

F REMOVED THE REAR WHEELS AND HUBS. REMOVED THE OLD SEALS AND BEARINGS. CLEANED THE BEARINGS AND REPACKED WITH GREASE. INSTALLED NEW HUB SEALS AND REASSEMBLED THE MACHINE AND SET ROLLING TORQUE. REINSTALLED THE REAR WHEELS TORQUED THE WHEEL

[redacted]

[redacted]

Date: 02/16/2016

JEREMIAH WELLS

[redacted]

Year	Make/Model	Vehicle Identification
	2003 CHA 660	HM87198

Stock No	PO	License	Tag	Customer	Telephone
GU101				11301	[redacted]

Cond	OpCode	T	Description	Quantity	List	Net	Total
			BOLTS TO SPEC.				
L	L		LABOR				
			LABOR				
	P		79014730 GREASE/WHE	2.00			
	P		79023090 CLEANER/BR	4.00			
	P		71334988 LIP SEAL-2	2.00			
	P		97524PF PIN,COTTER	2.00			
	P		PM360D DISCOUNT	-1.00			
				Subtotal ch			[redacted]
018			GRAIN PAN				
	D		BEARING BAD				
	F		WHILE TEST RUNNING THE COMBINE UPON COMPLETION OF REPAIRS, FOUND THAT THERE WAS A BEARING BAD IN THE GRAIN PAN. REMOVED THE BEARING AND HOUSING AND REPLACED WITH NEW. REPLACED HARDWARE AS NEEDED.				
L	L		LABOR	1.00			
	P		71308770 KIT, BEARI	2.00			
	P		40588PF BOLT UNC	2.00			
	P		Y704734 FLANGE LOC	1.00			
	P		70929356 WASHER	1.00			
	P		FREIGHT FREIGHT	1.00			
	P		1564540W1 HEX HEAD B	1.00			
	P		2551250W1 BEARING HO	1.00			
	P		375114X1 NUT UNC-7/	-1.00			
	P		PM360D DISCOUNT	Subtotal charges this			[redacted]
	M		SHOP SUPP	[redacted]			

[redacted]

DESC	TOTALS
LABOR	[redacted]
PARTS	
SUBLET	
MISC	
OTHER	
SUBTOTAL	
TAX	
TOTAL	16052.65

Received By _____

CUSTOMER FINAL INVOICE

LDI Lang Diesel Inc.