



901 West 94th Street
Minneapolis MN 55420-4236

ZIEGLER
RENTAL



MINNESOTA
IOWA
MISSOURI
WISCONSIN

952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002

Page: 1

Sold To: USED AGCHEM PRIME
PAT MCCAULLEY
INTERNAL ACCOUNT
MN

Invoice Number: SW590017710

Date: 5/02/16

Account No.: XGX1420

Ship To:

Invoice Information

WO Number: WN30266
WO Date: 11/12/15

Store: ATLANTIC
Payment Terms: CHARGE
P/O Number: U16-269
Ship Via:
Invoice Type: 2F2F2F

Make: AG-CHEM
Model: RG1100
Serial: AGCA1100CDNSL1117
PIN:
Id No: AC5432
Cust Unit: 1100RG
Meter: 1214.0

Invoice Summary

Parts: 8,289.53
Labor: 9,750.00
Misc: 125.83
Taxes: .00

Amount Due: \$18,165.36

Invoice Total: 18,165.36

A service charge of 1 1/2 % per month will be assessed on all past due accounts.

To ensure proper credit, please detach this portion, at the perforation, and return with remittance.

USED AGCHEM PRIME
PAT MCCAULLEY
INTERNAL ACCOUNT
MN



Account Number: XGX1420
Invoice Number: SW590017710
Invoice Date: 5/02/16

INVOICE COPY

Please remit to:
ZIEGLER INC.
SDS 12-0436
PO BOX 86
MINNEAPOLIS, MN 55486-0436

Amount Due: \$18,165.36

Amount Enclosed:

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710**Date:** 5/02/16**Account No.:** XGX1420**Page:** 2

Quantity	Item	N/R	Description	Unit Price	Extended
<p>WAR-CMV PERFORM PREVENT MAINT. INSPECTION ****ZIEGLER PREVENTIVE MAINTENANCE INSPECTION**** INSPECTION PERFORMED BY CERTIFIED FIELD SERVICE TECHNICAN. COMPREHENSIVE ANALYSIS OF ALL CRITICAL MACHINE COMPONENTS AND SYSTEMS, INCLUDING ENGINE, DRIVELINE TRANSMISSION, STEERING, ELECTRICAL, AIR CONDITIONING, WHEELS, AXLES, CHASSIS, HYDRAULICS, LIQUID SYSTEMS, AND 19 POINT CAB COMPONENT CHECKS. OIL SAMPLING A DETAILED WRITTEN INSPECTION REPORT PROVIDED FOR REVIEW AND RECORDS. REPAIR PROCESS COMMENTS: PMI WAS PERFORMED ON MACHINE.</p>					
			F/R L/M	475.00	*
			SEGMENT 01 TOTAL	475.00	T

<p>CLEAN MACHINE REPAIR PROCESS COMMENTS: MACHINE WAS TAKEN TO THE WASH BAY. THE CHASSIS AND THE SYSTEM WERE WASHED. THE MACHINE WAS BROUGHT BACK TO THE AG SHOP. THE CAB WAS VACUUMED AND THE FLOOR WIPED DOWN. THE WINDOWS WERE CLEANED INSIDE AND OUT.</p>					
			F/R LBR	1469.00	*
			SEGMENT 03 TOTAL	1469.00	T

<p>LUBRICATE MACHINE REPAIR PROCESS COMMENTS: 3-11-16. PULLED MACHINE OUTSIDE AND OPENED THE BOOMS. GREASED THE CHASSIS AND THE SYSTEM. SEVERAL OF THE GREASE ZERTS WOULD NOT TAKE GREASE. THESE ZERTS WERE REMOVED AND REPLACED WITH NEW ONES. THERE WERE TWO OF THE ZERTS THAT BROKE OFF DURING REMOVAL. THESE ZERTS WERE THEN DRILLED OUT AND HEATED TO GET THEM TO COME OUT. ONCE THE MACHINE WAS GREASED, IT WAS PULLED BACK INTO THE SHOP.</p>					
3	4526001		GREASE-ULT MOLY #2S5	5.46	16.38
			TOTAL PARTS	SEG. 04	16.38 *
			F/R LBR	174.00	*
			SEGMENT 04 TOTAL	190.38	T

<p>REPLACE CAB DOOR MOUNTING ISOLATOR REPAIR PROCESS COMMENTS: 2-18-16 THE OLD DOOR SHOCK WAS REMOVED. THE SHOCK MOUNTING STUDS WERE CLEANED OFF AND THE NEW DOOR SHOCK WAS INSTALLED. THE DOOR SHOCK WORKED PROPERLY BUT WAS STILL SLIGHTLY STIFF DURING OPENING AND CLOSING. THE DOOR PINS WERE SPRAYED WITH A LUBRICANT. THE LUBRICANT CAUSED THE DOOR PIN TO SQUEAL. THE DOOR PIN WAS THEN PUSHED UP AND DOWN SEVERAL TIMES WHILE MORE LUBRICANT WAS</p>					

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 3

Quantity	Item	N/R	Description	Unit Price	Extended	
SPRAYED. THIS PROCESS WORKED AND THE DOOR OPERATES PROPERLY NOW.						
1	526229D1		DOOR	S5	96.00	96.00
			TOTAL PARTS	SEG. 05		96.00 *
	LABOR		1.00 RT HOURS			116.00
			TOTAL LABOR	SEG. 05		116.00 *
			SEGMENT 05 TOTAL			212.00 T

DIAGNOSTIC TEST WINDSHIELD WASHER						
REPAIR PROCESS COMMENTS:						
2-18-16. TRIED THE WINDSHIELD WASHER AGAIN MULTIPLE TIMES. GOT OUT OF THE CAB AND INSPECTED THE SUPPLY HOSE. THE HOSE WAS CRACKED NEAR THE BOTTOM OF THE CAB. A NEW PIECE OF HOSE WAS SPLICED IN USING A SMALL FITTING. THE WASHER FLUID RESERVOIR WAS FILLED IN SEG 29. THE WASHER WAS ACTIVATED AND SPRAYS, AS IT SHOULD.						
1	AG334604		KIT	S5	20.80	20.80
			TOTAL PARTS	SEG. 06		20.80 *
	LABOR		1.00 RT HOURS			116.00
			TOTAL LABOR	SEG. 06		116.00 *
			SEGMENT 06 TOTAL			136.80 T

REPLACE CAB AIR FILTER						
REPAIR PROCESS COMMENTS:						
2-18-16. THE CHARCOAL FILTER WAS THE FIRST TO BE REPLACED. THE EXTERIOR COVER WAS REMOVED FROM THE BACK CORNER OF THE CAB. THE OLD FILTER WAS REMOVED. THE FILTER COMPARTMENT WAS WIPED DOWN WITH A RAG. THE NEW FILTER WAS INSTALLED AND THE COVER WAS SECURED IN PLACE. THE FILTER BEHIND THE SEAT WAS REMOVED. DEBRIS BEHIND THE SEAT WAS REMOVED AND THE NEW FILTER WAS INSTALLED. THE FILTER ABOVE THE WINDSHIELD WAS REMOVED. THE FILTER HOUSING WAS CLEANED AND THE NEW FILTER INSTALLED.						
1	AG718281		FILTER/PARTICLE	S5	41.30	41.30
1	556653D1		FILTER	S5	94.00	94.00
1	556654D1K		FILTER	S5	277.00	277.00
			TOTAL PARTS	SEG. 07		412.30 *
	LABOR		1.00 RT HOURS			116.00
			TOTAL LABOR	SEG. 07		116.00 *
			SEGMENT 07 TOTAL			528.30 T

TROUBLESHOOT HYDROSTATIC DRIVE						
HANDLE						
REPAIR PROCESS COMMENTS:						
THE MACHINE WAS STARTED AND TAKEN ON A ROAD TEST. THE HYDRO HANDLE SEEMED TO OPERATE FINE. THE CABLE WAS CHECKED FOR ADJUSTMENT. EVERYTHING OPERATED AS IT SHOULD.						
	LABOR		1.50 RT HOURS			174.00
			TOTAL LABOR	SEG. 08		174.00 *

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710**Date:** 5/02/16**Account No.:** XGX1420**Page:** 4

Quantity	Item	N/R	Description	Unit Price	Extended
SEGMENT 08 TOTAL					174.00 T

REPLACE LIGHT(S)					
BOOM SUPPORT					
REPAIR PROCESS COMMENTS:					
2-18-16. THE END CAP FOR THE BOOM SUPPORT WAS					
REMOVED. THE HARNESS CONNECTION ON THE BACK OF					
THE LIGHT WAS DISCONNECTED. THE TWO MOUNTING					
SCREWS WERE REMOVED. THE OLD LIGHT WAS DISCARDED.					
THE NEW LIGHT WAS SET IN PLACE AND THE TWO					
MOUNTING SCREWS WERE TIGHTENED. THE HARNESS WAS					
CONNECTED AND THE END CAP WAS INSTALLED ON THE					
BOOM REST. THE KEY WAS TURNED ON AND THE					
FUNCTIONS OF THE LIGHT WERE CHECKED.					
1	71425331		LAMP/WARNING AMBERS5	56.40	56.40
LABOR					
			TOTAL PARTS	SEG. 09	56.40 *
			1.25 RT HOURS		145.00
			TOTAL LABOR	SEG. 09	145.00 *
SEGMENT 09 TOTAL					201.40 T

REPLACE FAN					
REPAIR PROCESS COMMENTS:					
2-19-16. REMOVED THE GUARDS ON THE SIDES OF THE					
ENGINE TO GAIN ACCESS TO THE FAN. REMOVED THE					
BOLTS SECURING THE FAN BLADES TO THE FAN CLUTCH.					
REMOVED THE CLUTCH AND SUPPORTED IT INSIDE THE					
SHROUD. REMOVED THE FAN COMING OUT OF THE LEFT					
SIDE OF THE SHROUD. INSERTED THE NEW FAN INTO THE					
LEFT SIDE OF THE SHROUD. SET THE FAN BLADES AND					
THE CLUTCH IN PLACE AND STARTED EACH OF THE BOLTS					
BY HAND. THEN THE BOLTS WERE TIGHTENED IN					
SEQUENCE TO SPEC. ONCE COMPLETED, THE GUARDS WERE					
INSTALLED AND TIGHTENED TO SPEC.					
1	4274233M1		FAN	N5	427.00
LABOR					
			TOTAL PARTS	SEG. 10	427.00 *
			4.75 RT HOURS		551.00
			TOTAL LABOR	SEG. 10	551.00 *
1.00			FASTENAL		.83
			TOTAL MISC CHGS	SEG. 10	.83 *
SEGMENT 10 TOTAL					978.83 T

REPLACE FUEL INJECTION LINES					
REPAIR PROCESS COMMENTS:					
2-18-16. OPENED HOOD AND PLACED A LADDER IN FRONT					
OF THE MACHINE. REMOVED THE FUEL LINE FROM THE					
COOLER AND COVERED THE FITTING. REMOVED ZIP TIES					
TO THE FUEL ALONG THE HOSE ALL THE WAY BACK TO					
THE FUEL TANK. THE NEW HOSE WAS PREPARED TO BE					
INSTALLED. THE HOSE CLAMPS WERE REMOVED FROM THE					
HOSE ON THE FUEL TANK. A PAN WAS PLACED UNDER THE					
HOSE. THE HOSE WAS REMOVED AND THE NEW HOSE WAS					
QUICKLY INSTALLED. THE OLD HOSE WAS PINCHED OFF					
AND THEN PULLED OUT OF THE MACHINE. THE NEW HOSE					
WAS FED THROUGH THE MACHINE IN THE SAME MANNER AS					

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710**Date:** 5/02/16**Account No.:** XGX1420**Page:** 5

Quantity	Item	N/R	Description	Unit Price	Extended
THE ORIGINAL. THE HOSE WAS THEN CONNECTED TO THE COOLER. THE HOSE CLAMP WAS INSTALLED AND TIGHTENED.					
20	532660D1		HOSE ASSY-FUEL, BUS	3.41	68.20
	LABOR		TOTAL PARTS	SEG. 11	68.20 *
			1.50 RT HOURS		174.00
			TOTAL LABOR	SEG. 11	174.00 *
			SEGMENT 11 TOTAL		242.20 T

REPLACE SERPENTINE BELT					
REPAIR PROCESS COMMENTS:					
2-19-16. THE FAN AND GUARDS WERE ALREADY REMOVED IN SEGMENT 10. THE TENSIONER PULLEY WAS RETRACTED TO REMOVE THE OLD SERPENTINE BELT. THE NEW BELT WAS INSTALLED AND THE TENSIONER PULLEY WAS RELEASED.					
1	4348738M1		BELT S	74.90	74.90
	LABOR		TOTAL PARTS	SEG. 12	74.90 *
			0.75 RT HOURS		87.00
			TOTAL LABOR	SEG. 12	87.00 *
			SEGMENT 12 TOTAL		161.90 T

RESEAL VALVE COVER					
REPAIR PROCESS COMMENTS:					
3-7-16. THE BREATHER WAS REMOVED FROM THE REAR VALVE COVER. THE BREATHER WAS THEN REMOVED FROM THE HOSE. THE BREATHER WAS CLEANED IN THE SOLVENT PARTS CLEANER. THE VALVE COVERS WERE REMOVED FROM THE ENGINE. THE VALVE COVERS WERE TAKEN TO THE PARTS CLEANER. THE PARTS WERE DRIED AND THE NEW SEALS WERE INSTALLED. THE VALVE COVERS WERE INSTALLED AND TIGHTENED TO SPEC. THE BREATHER WAS THEN INSTALLED AND TIGHTENED TO SPEC.					
1	V836667459		GASKET N	12.20	12.20
	LABOR		TOTAL PARTS	SEG. 13	12.20 *
			0.75 RT HOURS		87.00
			TOTAL LABOR	SEG. 13	87.00 *
			SEGMENT 13 TOTAL		99.20 T

ADJUST VALVE COVER					
GASKET					
REPAIR PROCESS COMMENTS:					
3-7-16. THE ENGINE TURNING TOOL WAS INSERTED INTO THE FRONT OF THE ENGINE. THE VALVE SETTING PROCEDURES WERE PRINTED OUT. THE ENGINE WAS TURNED OVER AND THE VALVES WERE SET IN THE SEQUENCE SHOWN. EACH VALVE WAS MARKED AFTER IT WAS SET. ONCE COMPLETE, THE TURNING TOOL WAS REMOVED.					
1	V614901030		O-RING S	2.95	2.95
2	V837067881		GASKET S	32.80	65.60
			TOTAL PARTS	SEG. 14	68.55 *

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 6

Quantity	Item	N/R	Description	Unit Price	Extended
	LABOR		5.25 RT HOURS		609.00
	TOTAL LABOR		SEG. 14		609.00 *
	SEGMENT 14 TOTAL				677.55 T

REPLACE AIR CLEANER ENGINE					
REPAIR PROCESS COMMENTS: 2-18-16. REMOVED THE DIRTY ENGINE AIR CLEANERS, BOTH PRIMARY AND SECONDARY. WIPED OUT THE FILTER HOUSING WITH A RAG. INSTALLED THE NEW FILTERS AND SECURED THE FILTER HOUSING COVER.					
1	4286474M1		ELEMENT, AIR/FILTERN	54.80	54.80
1	72608872		FILTER CARTRIDGE S	103.00	103.00
	TOTAL PARTS		SEG. 15		157.80 *
	LABOR		0.50 RT HOURS		58.00
	TOTAL LABOR		SEG. 15		58.00 *
	SEGMENT 15 TOTAL				215.80 T

INSTALL GUARDS BOLT(S)					
REPAIR PROCESS COMMENTS: 2-18-16. ONCE THE OTHER SEGMENTS ON THE ENGINE WERE DONE, THE MISSING HARDWARE WAS INSTALLED ON THE ENGINE GUARDS.					
2	AG522989		MOUNT/RUBBER, 2 PIS	50.80	101.60
4	401996X1		SCREW S	2.23	8.92
	TOTAL PARTS		SEG. 16		110.52 *
	LABOR		0.50 RT HOURS		58.00
	TOTAL LABOR		SEG. 16		58.00 *
	SEGMENT 16 TOTAL				168.52 T

REPLACE ENGINE MOUNT					
REPAIR PROCESS COMMENTS: 3-7-16. THE ENGINE MOUNTS WERE PAINTED. THE BOLTS WERE REMOVED FROM THE LEFT SIDE ENGINE MOUNT. THE ENGINE MOUNT WAS LOWERED OUT THE BOTTOM. THE NEW MOUNT WAS LIFTED INTO PLACE. THE BOLTS WERE INSTALLED AND THEN TIGHTENED TO SPEC. THE ENGINE MOUNT BOLT WAS INSTALLED AND THE NUT WAS TIGHTENED HAND TIGHT. THE RIGHT SIDE ENGINE MOUNT BOLTS WERE REMOVED. THE ENGINE MOUNT WAS REMOVED FROM THE BOTTOM. THE NEW MOUNT WAS LIFTED INTO PLACE. TWO OF THE OLD BOLTS WERE INSTALLED TO HOLD THE MOUNT IN PLACE, WHILE WAITING FOR NEW BOLTS TO COME IN. NEW BOLTS WERE ORDERED FOR THE RIGHT SIDE ENGINE MOUNT. 3-8-16. THE NEW BOLTS WERE SET IN PLACE ON THE ENGINE MOUNT. THE MOUNT AND MOUNTING BOLT WERE LINED UP THEN THE NEW BOLTS WERE TIGHTENED TO SPEC. THE LARGE ENGINE MOUNT BOLT WAS INSTALLED ON BOTH SIDES AND TIGHTENED TO SPEC.					
4	AG562797		NUT S	1.63	6.52
4	400029X1		BOLT N	1.59	6.36
6	400357X1		WASHER N	2.32	13.92

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002

Invoice Number: SW590017710 Date: 5/02/16 Account No.: XGX1420 Page: 7

Quantity	Item	N/R	Description	Unit Price	Extended
2	556574D2		ENGINE MOUNTING-FRN	185.00	370.00
	LABOR		TOTAL PARTS	SEG. 17	396.80 *
			6.50 RT HOURS		754.00
			TOTAL LABOR	SEG. 17	754.00 *
			SEGMENT 17 TOTAL		1150.80 T

REPLACE RADIATOR GRILL					
REPAIR PROCESS COMMENTS:					
3-8-16. WHILE THE HOOD WAS OFF THE MACHINE, THE GRILL SECTION WAS INSPECTED FOR REMOVAL. THE BOLTS ALL THE WAY AROUND THE GRILL SECTION WERE REMOVED. THE BOTTOM THREE BOLTS ON THE GRILL MESH WERE REMOVED. THE BOTTOM GRILL SECTION WAS THEN PRYED OUT OF THE HOOD. THE NEW GRILL SECTION WAS SET IN PLACE. THE BOLTS WERE INSTALLED AROUND THE GRILL SECTION. THE THREE BOLTS ON EACH SIDE OF THE MESH WERE INSTALLED. THE 2 SCREWS ON EACH SIDE OF THE MESH WERE INSTALLED.					
1	197-4772		RETAINER/ASY LOWERN	554.00	554.00
	LABOR		TOTAL PARTS	SEG. 18	554.00 *
			1.50 RT HOURS		174.00
			TOTAL LABOR	SEG. 18	174.00 *
			SEGMENT 18 TOTAL		728.00 T

REPLACE HOOD SUPPORT					
REPAIR PROCESS COMMENTS:					
3-7-16. THE HOOD WAS LIFTED USING THE A FRAME HOIST. THE HOOD SHOCKS WERE EACH REMOVED FROM THE HOOD ASSEMBLY. THE NEW SHOCKS WERE INSTALLED ON THE HOOD ASSEMBLY. THE HOIST WAS LOWERED AND DISCONNECTED FROM THE HOOD.					
2	CH130-1916		STUD/BALL 10 DIA MN	6.72	13.44
2	201-5090		SPRING S	48.20	96.40
	LABOR		TOTAL PARTS	SEG. 19	109.84 *
			1.25 RT HOURS		145.00
			TOTAL LABOR	SEG. 19	145.00 *
			SEGMENT 19 TOTAL		254.84 T

REPLACE STEERING CYLINDER					
HOSE(S)					
REPAIR PROCESS COMMENTS:					
2-19-16. THE STEERING CYLINDER HOSE ON THE RIGHT CYLINDER WAS REMOVED. THE HOSE WAS PULLED THROUGH AND TRACED TO THE ORBITAL MOTOR. THE HOSE WAS REMOVED FROM THE MOTOR. THE NEW HOSE WAS INSTALLED ON THE STEERING CYLINDER. THE HOSE WAS THEN ROUTED TO THE MIDDLE OF THE MACHINE AND ROUTED UPWARD. THE HOSE WAS INSTALLED AND TIGHTENED. THE STEERING CYLINDER HOSE WAS REMOVED FROM THE LEFT CYLINDER. THE HOSE WAS PULLED THROUGH AND TRACED TO THE ORBITAL MOTOR. THE HOSE WAS REMOVED FROM THE MOTOR. THE NEW HOSE WAS INSTALLED ON THE CYLINDER. THE HOSE WAS THEN					

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710**Date:** 5/02/16**Account No.:** XGX1420**Page:** 8

Quantity	Item	N/R	Description	Unit Price	Extended
ROUTED TO THE MIDDLE OF THE MACHINE AND UPWARD TO THE ORBITAL MOTOR. THE HOSE WAS INSTALLED AND TIGHTENED. BOTH HOSES WERE THEN SECURED WITH ZIP TIES.					
2	539125D2		HYDRAULIC HOSE-10MN	60.80	121.60
	LABOR		TOTAL PARTS	SEG. 20	121.60 *
			2.25 RT HOURS		261.00
			TOTAL LABOR	SEG. 20	261.00 *
			SEGMENT 20 TOTAL		382.60 T

REPLACE HYDRAULIC HOSES/LINES					
REPAIR PROCESS COMMENTS:					
REMOVED FITTING FROM HYDRAULIC BLOCK. CUT CABLE TIES OFF OF HOSE. INSTALLED NEW HOSE ON VALVE BLOCK. REMOVED OLD HOSE FROM THE SYSTEM HYDRAULIC PUMP. INSTALLED NEW HOSE TO SYSTEM HYDRAULIC PUMP. USED CABLE TIES AND HOSE PROTECTORS TO SECURE THE HYDRAULIC HOSE.					
1	530117D1		HOSE	N	96.00
	LABOR		TOTAL PARTS	SEG. 21	96.00 *
			1.00 RT HOURS		116.00
			TOTAL LABOR	SEG. 21	116.00 *
			SEGMENT 21 TOTAL		212.00 T

REPLACE DRIVE LINE/DRIVE AXLE					
HOSE(S)					
REPAIR PROCESS COMMENTS:					
3-9-16. INSTALLED NEW SEAL ON WHEEL MOTOR. INSTALLED HOSE TO WHEEL MOTOR. ROUTED THE HOSE AROUND THERE AXLE. SECURED ALL OF THE HOSES WITH CABLE TIES AND CLAMPS. INSTALLED HOSE PROTECTORS ON THE HOSE TO ENSURE THAT THE NEW HOSE WILL NOT RUB ON THE FENDER.					
1	4J-0520		SEAL-O-RING	S	1.83
100	7K-1181		STRAP CABLE	S	.31
10	AG519861		PROTECTOR/HOSE 6. S		5.49
2	400366X1		SEAL/O-RING 22.5 OS		2.57
1	562620D1		HYDR.HOSE ASSY.-12N		579.00
			TOTAL PARTS	SEG. 22	671.87 *
			F/R LBR		232.00 *
			SEGMENT 22 TOTAL		903.87 T

REPLACE DRIVE LINE/DRIVE AXLE					
HOSE(S)					
REPAIR PROCESS COMMENTS:					
3-10-16. REMOVED THE HUB COVER. INSTALLED NEW SEAL ON WHEEL MOTOR. INSTALLED HOSE TO WHEEL MOTOR. ROUTED THE HOSE AROUND THE FRONT AXLE. SECURED ALL OF THE HOSES WITH CABLE TIES AND CLAMPS. INSTALLED HOSE PROTECTORS ON THE HOSE TO ENSURE THAT THE NEW HOSE WILL NOT RUB ON THE FENDER. REPLACED THE HUB COVER.					
1	4J-0520		SEAL-O-RING	S	1.83

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 9

Quantity	Item	N/R	Description	Unit Price	Extended
2	400366X1		SEAL/O-RING 22.5 OS	2.57	5.14
1	555284D1		HOSE ASSY-12X4750 N	512.07	512.07
	LABOR		TOTAL PARTS	SEG. 23	519.04 *
			2.00 RT HOURS		232.00
			TOTAL LABOR	SEG. 23	232.00 *
			SEGMENT 23 TOTAL		751.04 T

REPLACE STEERING ARM/LINK					
REPAIR PROCESS COMMENTS:					
3-3-16. REMOVED THE TWO FRONT BOLTS ON THE TOP					
LEFT TORQUE BAR. SUPPORTED THE BAR THEN REMOVED					
THE TWO REAR BOLTS. LIFTED THE BAR UP AND OUT OF					
THE MACHINE. USED NEW BOLTS WITH ANTISIEZE					
APPLIED FOR INSTALLATION. THE NEW BAR WAS LIFTED					
INTO PLACE AND THE 4 BOLTS WERE ALL STARTED BY					
HAND. THE TORQUE PROCEDURES WERE FOUND IN THE					
SERVICE MANUAL. THE BOLTS WERE EACH MARKED AFTER					
BEING TORQUED. THIS PROCESS WAS DUPLICATED ON THE					
OTHER 3 TORQUE BARS.					
4	560330D2		ROD N	550.00	2200.00
16	560333D1		BOLT-7/8-9NC, 3.50, S	14.45	231.20
	LABOR		TOTAL PARTS	SEG. 24	2431.20 *
			5.00 RT HOURS		580.00
			TOTAL LABOR	SEG. 24	580.00 *
			SEGMENT 24 TOTAL		3011.20 T

REPLACE AXLE BEARING					
REPAIR PROCESS COMMENTS:					
3-10-16. THE LEFT REAR AXLE SLIDE PAD BOLT HOLE					
WAS FILLED WITH DIRT AND RUST. THE HOLE WAS DUG					
OUT THEN SPRAYED WITH ENSOLVE. THE THREADS WERE					
THEN CLEANED USING A THREAD CHASER. THE BOLT AND					
TWO WASHERS WERE INSTALLED AND TIGHTENED.					
2	AG122800		WASHER/FLAT .75 NRS	1.68	3.36
1	AG524079		BOLT/HEX .75-10 UNN	6.51	6.51
	LABOR		TOTAL PARTS	SEG. 25	9.87 *
			2.50 RT HOURS		290.00
			TOTAL LABOR	SEG. 25	290.00 *
			SEGMENT 25 TOTAL		299.87 T

WELD FRAME					
REPAIR PROCESS COMMENTS:					
2-29-16. THE FRONT CROSS MEMBER WAS CLEANED OFF					
AND THE PAINT REMOVED TO BE WELDED. 3-3-16. THE					
OTHER CROSS MEMBERS WERE CLEANED AND PAINT					
REMOVED TO BE WELDED. THE HOSES NEAR THE WELDS					
WERE COVERED DURING WELDING. 3-10-16. THE LAST					
CROSS MEMBER WAS WELDED. THE WELDS WERE CLEANED					
UP AND PAINTED.					
	LABOR		0.50 OT HOURS		58.00
	LABOR		3.50 RT HOURS		406.00
			TOTAL LABOR	SEG. 26	464.00 *

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 10

Quantity	Item	N/R	Description	Unit Price	Extended
SEGMENT 26 TOTAL					464.00 T

SERVICE ENGINE					
REPAIR PROCESS COMMENTS:					
2-18-16. PLACED A DRAIN PAN UNDER THE ENGINE.					
REMOVED THE DRAIN PLUG AND LET THE OIL DRAIN					
WHILE THE OIL FILTER WAS REMOVED. THE FILTER WAS					
SET ON TOP OF THE PAN TO DRAIN. THE NEW FILTER					
WAS INSTALLED AND MARKED WITH HRS AND DATE. THE					
DRAIN PLUG WAS CLEANED OFF AND INSTALLED. THE OIL					
FILL CAP WAS CLEANED OFF BEFORE REMOVAL. THE OIL					
WAS FILLED TO THE PROPER LEVEL. THE OIL AND					
FILTER WERE THEN DISPOSED OF PROPERLY.					
1	V836862582		FILTER,OIL	52.40	52.40
6	3173081		OIL-DEO(ULS)	16.58	99.48
LABOR					
TOTAL PARTS				SEG. 27	151.88 *
1.50 RT HOURS					174.00
TOTAL LABOR				SEG. 27	174.00 *
SEGMENT 27 TOTAL					325.88 T

SERVICE HYDRAULIC SYSTEM					
REPAIR PROCESS COMMENTS:					
2-19-16. A LARGE DRAIN PAN WAS PLACED UNDER THE					
HYDRAULIC TANK. THE FILL CAP WAS CRACKED OPEN TO					
VENT THE TANK DURING DRAINING. THE DRAIN PLUG WAS					
REMOVED AND THE OIL DRAINED WHILE THE FILTERS					
WERE REMOVED. ONCE DRAINED, THE DRAIN PLUG WAS					
INSTALLED AND TIGHTENED. THE FILTER BASE WAS					
CLEANED. THE NEW FILTER ORINGS WERE INSTALLED IN					
THE FILTER BASE. THE NEW FILTERS WERE INSTALLED					
AND MARKED WITH THE HRS AND DATE. THE OIL WAS NOT					
RE-FILLED AT THIS TIME DUE TO MULTIPLE HOSES					
BEING REPLACED ON OTHER SEGMENTS. 3-17-16. A					
DRAIN PAN WAS PLACED UNDER THE HYDRO. THE HYDRO					
CHARGE FILTERS WERE REMOVED AND THE FILTER BASE					
CLEANED. THE NEW FILTERS WERE INSTALLED. THE					
ENGINE ECM FUSE WAS REMOVED. TEST HOSES WERE					
INSTALLED ON THE CHARGE FILTER BASES. THE ENDS OF					
THE HOSES WERE PLACED IN BUCKETS AND THE MACHINE					
WAS CRACKED TO BLEED THE SYSTEM.					
2	532370D1		FILTER ELEMENT	79.80	159.60
2	597302D1		HYDRAULIC FILTER	68.30	136.60
1	79014715		OIL/FLUID 821	747.82	747.82
1	841743M1		OIL/PERM III 2.5 GS	39.79	39.79
1	841813M1		OIL/PERM III 5 GALS	75.22	75.22
LABOR					
TOTAL PARTS				SEG. 28	1159.03 *
4.50 RT HOURS					522.00
TOTAL LABOR				SEG. 28	522.00 *
SEGMENT 28 TOTAL					1681.03 T

ADD WINDSHIELD WASHER					
REPAIR PROCESS COMMENTS:					
2-18-16. THE REAR COVER OF THE CAB WAS REMOVED.					
THE WASHER FLUID BOTTLE WAS THEN WIPED DOWN AND					
OPENED. THE WASHER FLUID WAS FILLED, THEN THE					

MINNESOTA
IOWA
MISSOURI
WISCONSIN952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 11

Quantity	Item	N/R	Description	Unit Price	Extended
COVER WAS INSTALLED.					
1	ZEC092006		ZECO WASHER FL -20S	1.99	1.99
	LABOR		TOTAL PARTS	SEG. 29	1.99 *
			0.25 RT HOURS		29.00
			TOTAL LABOR	SEG. 29	29.00 *
			SEGMENT 29 TOTAL		30.99 T

REPLACE BOOM					
GUARD					
REPAIR PROCESS COMMENTS:					
3-3-16. REMOVED THE HARDWARE FROM THE SLIDE PADS.					
REMOVED THE WORN SLIDE PADS FROM THE MACHINE.					
INSTALLED THE NEW SLIDE PADS. INSTALLED HARDWARE					
AND TIGHTENED TO SPEC.					
2	AG229661		PAD S	30.12	60.24
	LABOR		TOTAL PARTS	SEG. 31	60.24 *
			1.50 RT HOURS		174.00
			TOTAL LABOR	SEG. 31	174.00 *
			SEGMENT 31 TOTAL		234.24 T

PAINT BOOM					
REPAIR PROCESS COMMENTS:					
3-2-16. PAINTED THE BOOM REINFORCEMENTS MADE BY					
THE PREVIOUS OWNER. CLEANED THE AREA AROUND THE					
WELDS TO REMOVE BURNT PAINT AND GET BETTER					
COVERAGE.					
	LABOR		1.00 RT HOURS		116.00
			TOTAL LABOR	SEG. 32	116.00 *
			SEGMENT 32 TOTAL		116.00 T

REPLACE BOOM					
GUARD					
REPAIR PROCESS COMMENTS:					
3-21-16. RELEASED THE PRESSURE ON THE BOOM					
BREAKAWAY CYLINDERS. STARTED MACHINE AND RAISED					
THE BOOMS OUT OF THE CRADLES. SHUT MACHINE OFF					
AND LOCKED IT OUT. PUSHED THE BOOMS OUT, AWAY					
FROM THE MACHINE. USED A LADDER TO REACH THE					
BREAKAWAY PADS ON THE CENTER SECTION. THE TWO					
REAR PADS WERE BOTH SMASHED PRETTY BAD. THE					
RUBBER HAD TO BE CUT AWAY FROM THE HEAD OF THE					
BOLT. THE TWO BOLTS IN EACH PAD WERE THEN					
REMOVED. THE PAD WAS REMOVED AND THE MOUNTING					
SURFACE WAS CLEANED. THE NEW PADS WERE INSTALLED					
AND THE BOLTS TIGHTENED TO SPEC. THE INSIDE PADS					
WERE IN BETTER CONDITION SO THE BOLTS AND PADS					
WERE REMOVED WITHOUT CUTTING THE RUBBER. THE NEW					
PADS WERE INSTALLED AND THE BOLTS TIGHTENED TO					
SPEC. THE MACHINE WAS STARTED AND THE BOOMS WERE					
SWUNG BACK INTO THE CRADLES. THE VALVE WAS					
TIGHTENED ON THE VALVE BLOCK.					
4	568699D1		BUMPER PAD S	27.53	110.12
			TOTAL PARTS	SEG. 34	110.12 *

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 12

Quantity	Item	N/R	Description	Unit Price	Extended
	LABOR		1.75 RT HOURS		203.00
	TOTAL LABOR		SEG. 34		203.00 *
	SEGMENT 34 TOTAL				313.12 T

REPLACE HOOD SUPPORT					
REPAIR PROCESS COMMENTS:					
2-19-16. WHEN PULLING PARTS FROM THE PALLET BOX TO					
BE INSTALLED IT WAS DISCOVERED THAT THE HOOD					
SHOCKS THAT WERE ORDERED WERE INCORRECT. THE					
PARTS THAT WERE DELIVERED WERE ACTUALLY BOOM					
BREAKAWAY SPRINGS. THE PART NUMBER WAS LOOKED UP					
AGAIN TO MAKE SURE THE TECHNICIAN DID NOT MAKE A					
MISTAKE. THE CORRECT NUMBER WAS ORDERED AND THE					
DESCRIPTION WAS SPRING-GAS. THE PARTS WERE THEN					
TAKEN TO THE PARTS DEPT AND IT WAS DETERMINED					
THAT THEY WERE TO BE RETURNED USING A PARTS					
WARRANTY TAG. THE TAG WAS FILLED OUT AND THE					
SPRINGS WERE RETURNED. THE PARTS WERE ORDERED					
AGAIN. THE SECOND TIME THE CORRECT PART ARRIVED.					
	LABOR		0.50 RT HOURS		58.00
	TOTAL LABOR		SEG. 37		58.00 *
	LESS 100%-LABOR				58.00 -*
	SEGMENT 37 TOTAL				.00 T

SALVAGE					
REPAIR PROCESS COMMENTS:					
3-11-16. REMOVED THE BROKEN BOLT FROM THE FAN					
CLUTCH. LOOKED IN ONE AGCO FOR THE REPLACEMENT					
BOLT. THE BOLT WAS NOT SHOWN IN THE PARTS					
BREAKDOWN. TRIED LOOKING IN DIFFERENT MODELS IN					
ONE AGCO FOR THE BOLT. WENT TO SUPERVISOR WHO					
TRIED THE SAME SEARCHES. WAS INSTRUCTED TO OPEN A					
ZTICKET TO TRY TO FIND THE PART NUMBER. ZTICKET					
#290194 WAS OPENED. WAS INFORMED THAT THE TC					
OPENED A SOURCE TICKET. THE TC RESPONSE WAS THAT					
SOURCE COULD NOT FIND THE BOLT NUMBER EITHER. THE					
BOLT WAS ORDERED FROM AN OUTSIDE VENDER. 3-16-16.					
THE BOLT CAME IN AND WAS INSTALLED IN THE FAN					
CLUTCH. THE NY LOCK NUT WAS INSTALLED AND					
TIGHTENED TO SPEC.					
	LABOR		2.00 RT HOURS		232.00
	TOTAL LABOR		SEG. 38		232.00 *
	SEGMENT 38 TOTAL				232.00 T

ADJUST CATALYTIC CONVERTER					
HOSE(S)					
REPAIR PROCESS COMMENTS:					
3-11-16. OPENED HOOD AND TOOK PICTURES OF THE HOSE					
CLAMP POSITIONS AND THE CONTACT MADE WITH THE					
HOOD. LOOSENED AND ADJUSTED EACH CLAMP ONE AT A					
TIME. TIGHTENED EACH CLAMP TO SPEC. CLOSED HOOD					
AND VERIFIED NO CONTACT WITH THE CLAMPS.					
	LABOR		0.50 RT HOURS		58.00
	TOTAL LABOR		SEG. 39		58.00 *

**MINNESOTA
IOWA
MISSOURI
WISCONSIN**952-888-4121 800-352-2812
515-957-3800 800-342-7002
515-957-3800 800-342-7002
515-957-3800 800-342-7002**Invoice Number:** SW590017710 **Date:** 5/02/16 **Account No.:** XGX1420 **Page:** 13

Quantity	Item	N/R	Description	Unit Price	Extended
			SEGMENT 39 TOTAL		58.00 T

	MACHINE/GRIND/MILL MACHINE				
	REPAIR PROCESS COMMENTS:				
	USED DIE GRINDER AND REMOVED CRACKED MATERIAL ON				
	THE BOOM PIVOTS. WELDED THE EIGHT CRACKS WITH 100%				
	PENETRATION. BLENDED IN THE WELDS AND PAINTED.				
	LABOR	5.00 RT HOURS			625.00
	TOTAL LABOR	SEG. 60			625.00 *
	SEGMENT 60 TOTAL				625.00 T

	MACHINE/GRIND/MILL MACHINE				
	REPAIR PROCESS COMMENTS:				
	GROUND OUT ALL THE CRACKED MATERIAL AROUND THE				
	MOUNTS. WELDED CRACKS WITH THREE WELD PASSES.				
	BLENDED THE WELD STARTS AND STOPS. PAINTED.				
	LABOR	0.50 OT HOURS			85.00
	TOTAL LABOR	SEG. 62			85.00 *
	SEGMENT 62 TOTAL				85.00 T

	TRAVEL TO/FROM				
			F/R ALL		375.00 *
	SEGMENT 98 TOTAL				375.00 T

	AGCO PTS WRTY ZIEG INSTAL				
	COVERED REPAIRS			58.00	
	* * *	INVOICE COPY	* * *		
	INVOICE TOTAL				18,165.36