

Lethbridge, AB Ph: 403-327-5512 Fax: 403-328-2599  
 Burdett, AB Ph: 403-833-3811 Fax: 403-833-2069  
 Medicine Hat, AB Ph: 403-526-4450 Fax: 403-527-8569



Branch TABER, AB		
Date 10/28/21	Time 13:23:33 (O)	Page 01
Account No HLWAL001	Phone No 4036542840	Inv No W23586
Ship Via	Purchase Order	
Tax ID No	Agrimart	
		Salesperson 664

**SERVICE PRELIMINARY**

TK#/FLEET#		HRS	PIN/EIN	WARRANTY DATE	HRS
09563	9570 STS COMBINE	1871	H09570S730391	08/16/10	
	9570S	1229	SE6068Z006274		

EGMENT# 1 S 1560 STS 09/20/21 09/20/21  
 AG PERFORMAX - STS IN SHOP INSPECTION  
 PERFORMAX - STS IN SHOP INSPECTION

\*\*\*\*\*

CHECK OVER ON COMBINE AND HEADER  
 THRESHING ELEMENTS, ROTOR AND BEATERS  
 CHECK CONCAVE CONDITION AND LEVEL CONCAVE  
 ALL BEARINGS CHECKED FOR PLAY  
 BELT, CHAINS, MAJOR DRIVES CHECKED FOR ALIGNMENT AND  
 CONDITION

HYD OPERATION, HOSES AND CYLINDER  
 MONITORS, HARNESS AND ELECTRICAL SWITCH ADJUSTMENTS  
 WHEEL BEARINGS, STEERING OPERATION  
 GREASE MACHINE

CHECK FLUIDS AND FILTERS  
 SAFETY SHIELDS

DECALS AND HARDWARE

REMOVE CHAFFER AND SEIVE ELEMENTS. INSPECT FRAME FOR CRACKS

\*NOTE\* THE LABOR DISCOUNT TO REDUCE THE PERFORMAX PRICE IS  
 APPLIED TO THE MISC TOTAL

\*\*\*\*\*

10903000	LABOR	2567.00
	SEGMENT TOTAL==>	2567.00

EGMENT# 2 S 1560 HAULING 09/20/21 09/20/21  
 SEMI HAULING & MISC CHARGES (OFFICE USE ONLY)  
 Pick up, Sept 23, \$350  
 Semi Delivery \$350.00  
 Winch job \$275.00 (N/C as per Mitch)

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Ph: 403-223-3588 • Fax: 403-223-2273

Toll Free: 1-877-666-9300

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**JOHN DEERE**

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	9570S	1229	SE6068Z006274		
10903000					

SEGMENT# 3 C 1560 WASH 09/20/21 09/23/21  
 WASH AND CLEAN UNIT  
 Segment has been billed on work order W23855 - 01

SEGMENT# 4 S 1560 DECLINED 09/20/21 09/24/21  
 REPAIRS DECLINED BY CUSTOMER  
 Replace feeder house drive belt tensioner  
 R&R FEED ACCELERATOR DRIVE BELT  
 R&R FEED ACCELERATOR SUPPORT (EACH) all  
 reseal plastic rotor cover  
 R&R SEPARATOR GRATES (EACH) (LH AND RH)  
 R&R BOTH DISCHARGE BEATER BEARINGS  
 R&R TAILINGS DRIVE CHAIN  
 replace cotter pins in chain with s hooks  
 R&R OIL - P/COUNTERSHAFT, REVERSER & BEATER GEARBOXES  
 R&R GRAIN TANK CROSS AUGER BEARINGS (BOTH)  
 diagnose and repair wake up power code CAB 523746.04  
 R&R MULTICOUPLER VALVE (EACH)

SEGMENT# 5 S 1560 N/A 09/20/21 10/01/21  
 Check for No Start  
CORRECTION:  
 Went out to combine and hooked up Service Advisor.  
 Checked fuel rail pressure and low pressure fuel and found  
 they were both at spec.  
 Checked crank and cam position sensors and they were  
 reading correct.  
 Attempted to perform electronic compression test but test

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009563	9570	STS COMBINE	1871	H09570S730391	08/16/10
	9570S		1229	SE6068Z006274	

would not complete.

Reprogrammed ECU but still would not complete.

Performed harness diagnostic test and codes for turbo came up.

Removed step above engine to access turbo.

Removed turbo linkage from actuator and attempted to move turbo but it was seized up.

Removed exhaust pipe and intake pipe to inspect turbo.

Turbo seemed to rotate ok but there was some metal in the exhaust side.

Ordered a reman turbo.

Went back to shop and got new laptop and EDL along with ECU.

Went back out to combine and tried performing compression test with different laptop and EDL but still had same issue.

Replaced ECU and reprogrammed but still would not complete test.

Removed EGR pipe and bracket above valve cover.

Removed valve cover and found broken exhaust valve on #5.

Showed customer.

Reinstalled valve cover, EGR pipe and bracket, exhaust pipe, and air intake pipe.

Reinstalled original ECU.

Kyle will get him quote on doing a rebuild.

ADDITIONAL DESCRIPTION:

Ser# H09570S730391

Eng Hrs: 1871

Sep Hrs: 1229

403-654-8020

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		Salesperson 664

## SERVICE PRELIMINARY

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
009563	9570	STS COMBINE	08/16/10	
	9570S			
Taber hwy north				
Twn 132 1 east				
north 1 mile				
east side				
SE502365		Turbocharger Re	1 N 2695.14	2695.14
		Turbocharger Reman		
CRSE502365		Turbocharger Re	352.00	352.00
			PARTS	3047.14
			LABOR	1208.00
10903000			SEGMENT TOTAL==>	4255.14

SEGMENT#	S	1560	SERV TRIP	C	09/20/21	09/20/21		
CUSTOMER SERVICE TRIP								
Truck 203 Min charge								
Truck 209 Min charge								
							LABOR	302.00
10903000							SEGMENT TOTAL==>	302.00

SEGMENT# 7 S 1560 N/A 09/20/21 09/20/21

Repair Engine

CORRECTION:

- Unloaded combine off of truck/pushed into shop
- Tried to get combine running, checked codes, no code
- Removed intake pipe and found metal in intake
- Removed panels, drained coolant, unhooked hoses and wiring
- Removed engine, installed onto stand
- Removed head found number 4 valves dropped
- Made quote
- Waited to order parts
- Swapped everything over from old engine to new long block

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009563	9570 STS COMBINE	1871 H09570S730391	08/16/10	
	9570S	1229 SE6068Z006274		

- Valve set
- Installed new injectors, high pressure fuel pump, new high pressure fuel lines
- Installed new front and rear dampers
- Replaced thermostats
- Reprogramed ECU for new injectors
- Performed an engine replacement on service advisor
- Ran and checked over

ADDITIONAL DESCRIPTION:

S/N: H09570S730391

AH168456	SPLINED COUP	1	699.20	699.20
	Splined Coupling			
AH170895	CLAMP	1	26.80	26.80
AT13740	DRAIN VALV	1	5.64	5.64
DZ100218	Nozzle Kit	6 N	888.59	5331.54
DZ101862	Stud	1	17.89	17.89
DZ104957	Fuel Line	2	53.92	107.84
DZ104958	Fuel Line	2	62.13	124.26
DZ104959	Fuel Line	2	57.01	114.02
DZ104988	Fuel Line	1	92.83	92.83
DZ104989	Fuel Line	1	91.61	91.61
DZ120917	Thermostat	1	28.16	28.16
DZ122884	Thermostat	2	60.98	121.96
PM38628	SEALANT	1	42.13	42.13
RE167207	SENSOR	1	147.57	147.57
RE42139	Heating Element	1	164.42	164.42
RE504580	GLOW PLUG	6 N	33.26	199.56
RE505941	Torsional Damper	1 N	1219.75	1219.75
	Torsional Damper			
RE52722	SENSOR	1 O	53.07	53.07

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**SERVICE PRELIMINARY**

STK#/FLEET#	HRS	PIN/EIN	WARRANTY DATE	HRS
009563	9570	STS COMBINE	1871 H09570S730391	08/16/10
	9570S		1229 SE6068Z006274	
		Temperature Sensor		
RE528096		SCREW WITH	6	4.92
		Screw With Washer		29.52
RE546918		Water Pump	1	596.80
RE560754		Oil Cooler	1 N	307.13
RE57190		SEAL	1	18.04
RE57604		TORSIONAL DA	1	966.20
		Torsional Damper		
R502513		SEAL	1	15.67
R516125		O-RING	1	4.87
R516648		CAP SCREW	1	12.80
R518543		O-RING	2	2.67
R51936		PACKING	15	2.49
R519486		CAP SCREW	12	22.64
R519488		GASKET	6 M	14.94
R521548		SEAL	1	10.93
R522554		CAP SCREW	2 N	31.50
R523372		HOSE	1	17.35
R545884		Gasket	1 M	48.06
R55453		O-RING	1 M	10.11
R63548		O-RING	1	1.55
R67092		PACKING	3	8.00
R91360		NUT	1	4.09
SE501225		Complete Block	1 N	12306.78
		Complete Block Assy Reman		
CRSE501225		Complete Block		2110.00
SE501915		FUEL INJ PUMP	1 M	3261.02
		Fuel Injection Pump Reman		
TY22563		3/4 OIL RESI	5	.79
T122075		O-RING	2	2.93

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	9570S	1229	SE6068Z006274		
T77613	O-RING			2	2.87
U13639	O-RING			2	8.13
14M7296	10MM FLANGE			4	2.49
19M7296	CAP SCREW			2	4.68
19M7789	12 X 30 MM			2	3.12
19M7792	SCREW			2	4.92
19M8162	SCREW			4	3.83
19M8292	10 X 50 MM			2	4.42
3663	ENV FEE - 3.78L			4	.40
3668	CORE CREDIT			9-	316.03
51M7040	O-RING			2	3.47
51M7041	O-RING			1	3.23
57M13011	Elec. Connector			1 M	16.39
	Elec. Connector Housing				
57M8400	ELEC. CONNec			1	16.02
	Electrical Connector Assy				
					PARTS
					26091.48
					LABOR
					8758.00
10903000				SEGMENT TOTAL==>	34849.48

SEGMENT# 8 S 1560 141.3 09/20/21 10/01/21

MEG SEAL/CLUTCH PACK SEAL1 W/ENGINE OUT

\*Engine already removed

Unbolt clutch pack housing from engine gear case

Clean gasket surface and reinstall

Clean gasket surface and replace shaft seal

AH209644	SEAL			1	103.26	103.26
H125354	GASKET			1	28.09	28.09
H125356	GASKET			1	11.73	11.73
					PARTS	143.08

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**SERVICE PRELIMINARY**

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109563	9570	STS COMBINE	1871 H09570S730391	08/16/10
	9570S		1229 SE6068Z006274	
			LABOR	490.75
10903000			SEGMENT TOTAL==>	633.83

SEGMENT#	S	1560	124.23	10/25/21	10/25/21		
REPLACE BOTH SHOE AUGER BEARINGS (NEW STYLE)							
REMOVE REAR BEARING BOLTS							
REMOVE SHOE AUGER FROM COMBINE							
R&R FRONT AND REAR BEARINGS							
REASSEMBLE IN REVERSE ORDER							
RUN AND TEST,							
AH163056		BEARING HO	3	77.63			232.89
		Bearing Housing W/O Bearing					
AH214862		BALL BEARI	3	30.71			92.13
H103264		PRESSED FL	6	3.74			22.44
		Pressed Flanged Housing					
JD8554		ECCENTRIC	6	10.90			65.40
		Eccentric Locking Collar					
34H286		SPRING PIN	3	1.62			4.86
34H333		SPRING PIN	3	2.46			7.38
		PARTS					425.10
		LABOR					679.50
10903000							1104.60
							SEGMENT TOTAL==>

SEGMENT#	S	1560	124.501	10/25/21	10/25/21
R&R SHOE ECCENTRIC BEARINGS AND SHAFT BEARINGS					
REMOVE SHOE DRIVE BELT					
REMOVE PULLEYS					
REMOVE BEARING ASSEMBLY FROM COMBINE					
REMOVE AND REPLACE SHAFT BEARINGS					
ASSEMBLE AND CHECK OPERATION					

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	9570S		1229 SE6068Z006274	
AH125975		BALL BEARI	4	144.73
AL14674		ECCENTRIC	3	28.61
		Eccentric Locking Collar		
AXE61820		Ball Bearing	2	65.41
H133621		PRESSED FL	4	17.42
		Pressed Flanged Housing		
		PARTS		865.25
		LABOR		906.00
10903000		SEGMENT TOTAL==>		1771.25

SEGMENT#	S	1560	124.71	10/25/21	10/25/21		
						R&R AND RECONDITION SIEVE FRAME	
						Remove chopper.	
						Remove chaffer element.	
						Remove sieve element.	
						Remove chaffer frame	
						Remove sieve frame hardware.	
						Remove sieve frame and disassemble.	
						Reassemble.	
						FACTORY CALIBRATE SIEVE AND CHAFFER ELEMENTS	
						H154928	BOLT
							8
							10.66
							85.28
						H227582	BOLT
							4
							17.59
							70.36
						KXE10094	SHOE KIT
							1
							3027.07
							3027.07
						19M7820	SCREW
							6
							10.60
							63.60
						19M7830	SCREW
							2
							19.08
							38.16
						19M8486	CAP SCREW
							2
							19.82
							39.64
							PARTS
							3324.11
							LABOR
							3322.00
10903000						SEGMENT TOTAL==>	6646.11

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\*\*\*\*\* WORK ORDER TOTALS \*\*\*\*\*

PARTS	33896.16
LABOR	18233.25
#203 SERV CALL	90.00
#209 SERV CALL	90.00
PMI HAUL DISC	350.00-
PMI LABOR DISC	1769.50-
PMI PARTS DISC	2711.69-
SERV SUPPLIES	350.00
T SEMI DELIVERY	700.00
SUB TOTAL==>	48528.22
GST No. 103596318	2426.42
TOTAL <del>MULTIUSE</del>	50954.64

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