



CITY OF BILLINGS
 SOLID WASTE PO BOX 1178
 BILLINGS MT 59103-1178

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	Work Order No.
9100108	VESTER WILSON	406 657 8260		
QUOTE NO.	P.O. NO.	DATE	Email	
96307		6/19/2017 2:13:06 P	wilsonv@ci.billings.mt.us	
MAKE	MODEL	SERIAL NO.	UNIT NO.	Hours
AA	627G	0DBD00910	243	10940
NOTES				

SEGMENT: 01

()
 NOTES:
 627G SCRAPER REBUILD
 STAR POWER TRAIN REBUILD
 REBUILD OPERATORS STATION
 REPAIR APRON AND BOWL

Misc

Description	Qty	Unit Price	Ext Price
627G SCRAPER REBUILD	1	369,759.00	369,759.00
Total Misc:			369,759.00
Segment 01 Total:			369,759.00
Total Segments:			369,759.00
Sub Total (before taxes)			369,759.00

- This estimate will expire 30 days from the estimate date.
- Price excludes Freight Charges, Operating Supplies/EPA Fees and Overtime.
- Terms: Net 10th Prox.
- Sales Taxes where applicable are not included with the above prices.

ESTIMATED REPAIR TIME: _____ from start date
 "The Signature is an authorization to proceed with the required repair work as described within the quote".

Issued PO# _____, Authorized Name MIKE SCHAFF Please Print.

Date 6 / 19 / 17


 Signature

Any Questions? Please Call Mike Schaff at 406-651-8271.

Date 19-Jun-17

Tractor and Equipment Co.
627F S/N DBD00910 City of Billings

Seg.	Description	Considers Good Parts	Considers Poor Parts	
01	Wash Machine	\$ 1,750	\$ 1,750	
03	Remove and Install Cab (only)	\$ 1,224	\$ 1,224	
08	Cab Interior refresh	\$ 30,471	\$ 37,271	Clean/Repair Seat, Poor includes glass if needed
	Clean & Inspect Heater/Air Conditioner	\$ 1,525	\$ 5,725	
10				
12	Remove and Install Grease Lines	\$ 2,160	\$ 8,640	As needed
	R&I Engine and install all exterior components	\$ 6,480	\$ 6,480	Labor only
16				
18	Recondition Engine	\$ 40,050	\$ 40,050	
19	R&I Radiator	\$ 720	\$ 720	
	Clean, inspect and pressure test Radiator	\$ 2,100	\$ 2,100	Includes new seals and gaskets on cores
20				
24	R & I Tractor Transmission	1,253.00	1,253.00	
26	Recondition Tractor Trans	14,526.00	14,526.00	
28	T & M not included			
a	Good Parts Reusability	2,500.00		
b	Poor Parts Reusability		7,650.00	
	Front Differential			
30	Rebrg/Rsl Tractor Diff	4,767.00	4,767.00	
32	T & M not included			
a	Good Parts Reusability	2,652.00		Side Gears and Cross
b	Poor Parts Reusability		10,773.00	Pinion Bevel, Side Gears and Cross
	Final Drives			
				Considers R & I of the finals, rebearing reseal of the finals and replacing the sun gears Does not include brakes
34	Recon Before Failure (4) Final Drives	21,155.00	21,155.00	
36	T & M not included			
a	Good Parts Reusability	3,818.00		
b	Poor Parts Reusability		16,707.00	
38	Recondition Drive Shaft			
	Hydraulic System			
46	Replace Hoses and Lines	21,170.00	25,330.00	Replace all hard set hoses on the machine
47	Reseal Hyd Control Valve	6,238.00	6,238.00	Implement control valve
48	Recon Hyd Control Linkage	1,022.00	1,022.00	
49	Remove & install bowl lift cylinders	1,080.00	1,080.00	
50	Reseal bowl lift cylinders	2,034.00	2,034.00	
a	Good Parts Reusability	1,984.00		
b	Poor Parts Reusability		2,809.00	
51	Reseal Apron Cylinder	1,142.00	1,142.00	
a	Good Parts Reusability	1,075.00		
b	Poor Parts Reusability		1,900.00	
52	Reseal ejector cylinder	1,142.00	1,142.00	
a	Good Parts Reusability	2,607.00		
b	Poor Parts Reusability		3,287.00	
54	R & I, Recon Hyd Pump	4,495.00	4,495.00	includes the main hyd pump
	Electrical			
56	R&I Wiring Harness's	\$ 18,520	\$ 18,140	Replace the harnesses needed (not the cab)
	Rear Engine			
66	R & I Rear Module	1,785	1,785	Remove and install rear engine and module
68	R & I Radiator	720	720	Remove and install radiator in rear module
70	Recondition Radiator	1,610	1,610	Recondition radiator for rear engine module/ includes having cores cleaned, resealed and tested.
72	T & M Not included			
a	considers good parts reusability	800		Considers replacing 1/2 of cores with new
b	considers poor parts reusability		1,600	considers replacing all cores with new
74	D & A Module	833	833	Separate engine and transmission from rear module
76	Recondition Engine	33,287	33,287	
78	T & M Not included			Time and Material not included in a complete engine recondition flat rate
a	considers good parts reusability	1,500		
b	considers poor parts reusability		4,500	
80	Rebearing reseal Transmission	6,122	6,122	Rebearing and reseal transmission/transfer gears
82	T & M Not included			Hard parts not included in rebearing/reseal flat rate
a	considers good parts reusability	2000		
b	considers poor parts reusability		5,000	
	Rear Differential			
90	Rebrg/Rsl rear Diff	4,083.00	4,083.00	
92	T & M not included			
a	Good Parts Reusability	2,652.00		Side Gears and Cross
b	Poor Parts Reusability		10,773.00	Pinion Bevel, Side Gears and Cross
	Bowl Repairs			
01	Weld Repair body / tin work	\$ 3,128	3128	Repair damage sheet metal
05	Split Machine	\$ 3,886	3886	Split machine, crib up tractor and move bowl into shop trunnions and reassemble after repairs. NO GUIDE ROLLERS INCLUDED
07	R&I Apron	\$ 2,273	2273	Labor to R&I Apron and replace trunnions
09	R&I Ejector	\$ 1,180	1180	Labor to R&I Ejector
11	Weld Replace Floor	\$ 6,700	6700	Considers cutting out and replacing the inside floor of the Scraper Bowl.
13	Weld Replace Scraper Sides	\$ 6,054	6054	Considers adding a 1/4 in liner, installing router bit mounts and router bits.
15	Weld Repair Ejector	\$ 2,320	2320	Consider addong 1/4 in liner, cut of and replace draft arm bearings, replace trunnion caps.
17	Repair Draft Arm Mounts	\$ 4,636	4636	
18	Weld repair Apron	\$ 3,755	3755	Repair bent apron, replace trunnion arm mounting
19	Weld Repair Cutting edge frog	\$ 5,157	5157	Consider repairing worn cutting edge frog and materials
22	Weld Repair Ejector roller guides	\$ 2,895	2895	Consider replacing ejector roller guides rails
25	Paint Scraper	\$ 6,942	6942	Labor to paint and decal machine
	Shop Supplies	600	600	
	Environmental	400	400	
95	Transportation	0	0	Customer to deliver
	Total	\$ 303,109	\$ 369,759	

Please contact Jeff Hill at T&E Billings Service Department with any questions. (406) 656 - 0202 Ext. 8262 fax # 652 - 5028
Thank You



City of Billings
Justification for Sole Source Provider

Date: June 20, 2017

Requestor Name: Vester Wilson

Department: Public Works

Supplier Information:

Division: Solid Waste

Vendor: Tractor and Equipment

Phone #: 406 656-0202 Ext #8262

Contact: Jeff Hill

Amount: \$369,759.00

Scope of Work: (provide a brief description of product, services and any requirements)

Emergency engine rebuild on the Scraper unit 0243 at the Landfill.

Reason for requesting sole source: (please check all that apply and supply necessary information)

X **Item must match existing equipment because** Tractor and Equipment is the only authorized repair center in the region for CAT Equipment. The work is then warrantied since they are authorized by CAT to do repairs. The star rebuild on the Scraper will have a 3 year warranty

X **Item is a repair part for existing equipment OR item is to be attached to existing equipment.**

Name of existing equipment: Scraper unit 0243 at the Landfill

- Technical characteristics of requested item are essential to our needs because
- Product is proprietary; no other manufacturer of this type of product exists.
- Only known vendor to service or provide this type of product in this region.
- Other manufacturers of this type of product do not meet our requirements:

Manufacturer's Name:

Reason:

Manufacturer's Name:

Reason:

- Product is being purchased through State of Montana Contract #:
- Other reason not listed above:

Please attach all appropriate documents and forward.

Thank you.



Effective 11-1-97

WARRANTY



STAR REBUILT POWER TRAIN MODULAR DESIGN COMPONENTS TRANSMISSIONS, TORQUE CONVERTERS, FINAL DRIVES, DIFFERENTIALS AND TRANSFER GEARS

TRACTOR & EQUIPMENT CO. ("T & E") warrants to the original purchaser Star Component Rebuilds to be free from defects in material and workmanship under normal use and service as outlined in the chart below.

This warranty does not apply to:
***Oval track-type tractors.**

This warranty is subject to the following:

Warranty Period	8,000 HOURS - 32 MONTHS WHICHEVER COMES FIRST	
Purchasers share of charges	0-2000 SMH	NO CHARGE
	2001-8000 SMH	PRORATED FROM ZERO*

***Example** **The component fails 20 months after rebuild at 7000 hours. (7000 ÷ 8000 = 87.5%)**
The purchaser would pay 87.5% of the repair.

Transferability **The warranty may not be transferred to another purchaser.**

T & E Responsibilities If a defect in material or workmanship is found during the warranty period, T & E will provide at our place of business or other source approved by T & E:

- New, MCE, Remanufactured or Caterpillar approved repaired parts and/or components needed to correct the defect at T & E's choice.
- Reasonable and customary labor during normal working hours needed to make the warranty repair, including labor for removal and installation where the purchaser paid for these services on the original repair.
- Usual and customary parts shipping charges via surface freight to the approved source.
- Lubricating oil, filters, antifreeze, and other service items made unusable by the defect.

Purchaser Responsibilities The purchaser is responsible for:

- Travel time, mileage, meals and lodging, unless covered under special rebuild rates.
- All costs for transporting the component/machine.

Purchaser Responsibilities continued

- Premium or overtime labor costs.
- Local taxes, if applicable.
- Parts shipping charges in excess of those which are usual and customary.
- Costs to investigate complaints unless the problem is caused by a defect in material or workmanship covered by this warranty.
- The component must be on T & E's scheduled oil sampling program.
- Must use Caterpillar filters.
- Must use Caterpillar oil or oil that meets Caterpillar specifications.
- The engine service meter must be maintained in good condition and T & E notified in writing if meter is changed or set back.
- Component must be in a machine operated in T & E's Caterpillar service territory.
- Purchaser will notify T & E immediately if problems develop in the component and make component available for repair before removal or disassembly. Component oil and filter are to be saved.
- The component must be properly maintained and be used in an application for which it was designed.
- All updates must be incorporated into the component at time of rebuild.

Limitations

- T & E is not responsible for failure resulting from:
- Any use or installation which T & E judges improper.
 - Attachments, accessory items and parts not sold by T & E.
 - Abuse, neglect, alteration, accident, act of God and/or improper repair.
 - Purchasers unreasonable delay in making the component/machine available after being notified of

CONTINUED ON REVERSE SIDE...



Effective 11-1-97

WARRANTY

STAR REBUILT ENGINES, 3300 SERIES

TRACTOR & EQUIPMENT CO. ("T & E") warrants to the original purchaser Star Engine Rebuilds to be free from defects in material and workmanship under normal use and service as outlined in the chart below.

This warranty does not apply to:
*Scraper rear engines

This warranty is subject to the following:

Warranty Period	8,000 HOURS - 32 MONTHS WHICHEVER COMES FIRST	
Purchasers share of charges	0-6000 SMH	NO CHARGE
	6001-8000 SMH	PRORATED FROM ZERO*

*Example
The engine fails 20 months after rebuild at 7000 hours.
(7000 ÷ 8000 = 87.5%).
The purchaser would pay 87.5% of the repair.

Transferability The warranty may not be transferred to another purchaser.

T & E Responsibilities If a defect in material or workmanship is found during warranty period, T & E will provide at our place of business or other source approved by T & E:

- New, MCE, Remanufactured or Caterpillar approved repaired parts and/or components needed to correct the defect at T & E's choice.
- Reasonable and customary labor during normal working hours needed to make the warranty repair, including labor for removal and installation where the purchaser paid for these services on the original repair.
- Usual and customary parts shipping charges via surface freight to the approved source.
- Lubricating oil, filters, antifreeze, and other service items made unusable by the defect.

Purchaser Responsibilities The purchaser is responsible for:

- Travel time, mileage, meals, and lodging unless covered under special rebuild rates.
- All costs for transporting the component/machine.
- Premium or overtime labor costs.
- Local taxes, if applicable.

Purchaser Responsibilities continued

- Parts shipping charges in excess of those which are usual and customary.
- Costs to investigate complaints unless the problem is caused by a defect in material or workmanship covered by this warranty.
- The component must be on T & E's scheduled oil sampling program.
- Must use Caterpillar filters.
- Must use Caterpillar oil or oil that meets Caterpillar specifications.
- The engine service meter must be maintained in good condition and T & E notified in writing if meter is changed or set back.
- Component must be in a machine operated in T & E's Caterpillar service territory.
- Purchaser will notify T & E immediately if problems develop in the component and make component available for repair before removal or disassembly. Component oil and filter are to be saved.
- The component must be properly maintained and be used in an application for which it was designed.
- Turbo(s) must be changed at 4000 hours.
- All updates must be incorporated into the component at time of rebuild.
- Cooling systems must be inspected by T & E and reconditioned at time of overhaul if deemed necessary for proper operation.

Limitations

- T & E is not responsible for failure resulting from:
- Any use or installation which T & E judges improper.
 - Attachments, accessory items and parts not sold by T & E.
 - Abuse, neglect, alteration, accident, act of God and/or improper repair.
 - Purchasers unreasonable delay in making the component/machine available after being notified of a potential product problem.

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Effective 11-1-97



WARRANTY

STAR REBUILT ENGINES, 300 SERIES AND SCRAPER REAR ENGINE

TRACTOR & EQUIPMENT CO. ("T & E") warrants to the original purchaser Star Engine Rebuilds to be free from defects in material and workmanship under normal use and service as outlined in the chart below.

This warranty is subject to the following:

Warranty Period	6,000 HOURS - 30 MONTHS WHICHEVER COMES FIRST	
Purchasers share of charges	0-8000 SMH	NO CHARGE

Transferability The warranty may not be transferred to another purchaser.

T & E Responsibilities If a defect in material or workmanship is found during the warranty period, T & E will provide at our place of business or other source approved by T & E:

- New, MCE, Remanufactured or Caterpillar approved repaired parts and/or components needed to correct the defect at T & E's choice.
- Reasonable and customary labor during normal working hours needed to make the warranty repair, including labor for removal and installation where the purchaser paid for these services on the original repair.
- Usual and customary parts shipping charges via surface freight to the approved source.
- Lubricating oil, filters, antifreeze, and other service items made unusable by the defect.

Purchaser Responsibilities The purchaser is responsible for:

- Travel time, mileage, meals and lodging, unless covered under special rebuild rates.
- All costs for transporting the component/machine.
- Premium or overtime labor costs.
- Local taxes, if applicable.
- Parts shipping charges in excess of those which are usual and customary.

Purchaser Responsibilities continued

- Costs to investigate complaints unless the problem is caused by a defect in material or workmanship covered by this warranty.
- *The component must be on T & E's scheduled oil sampling program.*
- Must use Caterpillar filters.
- Must use Caterpillar oil or oil that meets Caterpillar specifications.
- The engine service meter must be maintained in good condition and T & E notified in writing if meter is changed or set back.
- Component must be in a machine operated in T & E's Caterpillar service territory.
- Purchaser will notify T & E immediately if problems develop in the component and make component available for repair before removal or disassembly. Component oil and filter are to be saved.
- The component must be properly maintained and be used in an application for which it was designed.
- Turbo(s) must be changed at 4000 hours.
- All updates must be incorporated into the component at time of rebuild.
- Cooling systems must be inspected by T & E and reconditioned at time of overhaul if deemed necessary for proper operation.

Limitations

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- Any use or installation which T & E judges improper.
- Attachments, accessory items and parts not sold by T & E.
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- Purchasers unreasonable delay in making the component/machine available after being notified of a potential product problem.

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