

SERVICE REPORT

Date: 07/27/2016

Customer's Name: BIGGE

Customer P.O. # _____

Job Location: HOUSTON, TX.

M/M/T: _____

Hours: 7920

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: _____

Repairs Completed: _____

5 GAL.	6829006444	10 W30 HYD./TRANS OIL	YES
1	02217118	ARM	YES
1	2255928	MIRROR	YES
1	9437100862	HYD. TANK ELEMENT	YES
3	951510293	LOUVERS - A/C	YES

Qty	Part Number	Description	Ordered	Installed
1	51748 XD	OIL FILTER		YES
1	9258100193	HYD. BREATHER		YES
1	AF26124	PRE AIR FILTER		YES
1	AF26125	SEC. AIR FILTER		YES

Recommendations: _____

Technician: KYLE THEIS

Customer Name: _____

Customer Signature: _____

Job Complete: _____

Yes ☒ No ☐

Labor: Reg _____

O.T. _____

SERVICE REPORT

Date: 09/27/2016

Customer's Name: BEGGE

Customer P.O. # _____

Job Location: HOUSTON, TX.

M/M/T: RT9150E

Hours: 7920

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: _____

Repairs Completed: INSTALL JEB ON MACHING. SERVICE ENGINE, FUEL, HYD. AND AIR CLEANERS. CHECK ALL OTHER LEVELS. REPLACE GREASE FITTINGS AND GREASE UPPER AND LOWER. GREASE SWING BEARING. TIGHTEN HOSE ON TOP OF PUMP, CLEAN PUMP AND RECHECK. BLOW OUT AND CLEAN OUT RADIATOR, CONDENSER, AND HYD. COOLER. RESEAL REAR OUTRIGGER BOX Q.D. DRAIN TRANSMISSION, REMOVE BOLT AND RESEAL FRONT OF TRANSMISSION. FILL TRANSMISSION AND RECHECK FOR LEAK. REMOVE BALL. REMOVE COUNTERWEIGHTS AND OUTRIGGER BOXES AND LOAD ON TRAILERS. LOAD CRANE OUT. GREASE BOOM SECTIONS.

Qty	Part Number	Description	Ordered	Installed
1	P551103	FUEL FILTER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	P165705	HYD. FILTER		<input checked="" type="checkbox"/>
1	PBC4085	COOLANT FILTER		<input checked="" type="checkbox"/>
1	P550774	FUEL FILTER		<input checked="" type="checkbox"/>

Recommendations: _____

Technician: KYLE THEIS

Customer Name: _____

Customer Signature: _____

Job Complete:

Yes ☒ No ☐

Labor: Reg _____

O.T. _____

BIGGE

CRANE and RIGGING CO.

Established 1916

14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 12-7-16

Customer P.O. # _____

Customer's Name: _____

Job Location: HOUSTON SHOP

M/M/T: GROVE RT 9150

Hours: 8061

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: _____

Repairs Completed: REPLACED MIRROR FOR WINCH. CHECKED ALL FLUID LEVELS. GREASED ROTEX BEARING & OUTRIGGER JACKS. GREASED BOOM SECTIONS. BLEW OUT RADIATOR, HYD. COOLER, A/C CONDENSER, & FILTERS. PAINT BALL. CRANE WAS WASHED & DETAILED.

LAST P.M. 9-27-16 @
7920 HOURS

Qty	Part Number	Description	Ordered	Installed
1	AF26124	AIR FILTER	✓	✓
1	2255928	MIRROR	✓	✓

Recommendations: _____

Technician: C. MADDEN, G. PEREZ

Customer Name: _____

Customer Signature: _____

Job Complete:

Yes ☒ No ☐

Labor: Reg _____

O.T. _____

Copies: White: Office

Pink: Customer

Yellow: Technician Copy

Rough Terrain Crane	
Date: 3-1-16	LMI Make & Model: ECOS / EKS5
Hours: 7885	LMI S/N:
Unit #: C1096 BE150104	Engine Make & Model: COMMINOS
Crane Serial #: 231938	Engine S/N:
Crane Make: GROVE	Transmission Make & Model: SPICER / DANA
Crane Model: BT9150-E	Transmission S/N: PBEA392545
Report Completed by: DAN PERKOWITZ	

Filters and Fluids

Date/Hours/Miles of Last Service: UNKNOWN	
Engine Oil Filter (brand and part#): SEE SPECK SHEET	Transmission Filter (brand and part#):
Engine Oil Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention	Transmission Fluid Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Fuel Filter (brand and part#): SEE SPECK SHEET	Coolant Filter (brand and part#):
Fuel Filter (brand and part#): SEE SPECK SHEET	Coolant Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Fuel Level: <input type="checkbox"/> 1/4 <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input checked="" type="checkbox"/> Full	Power Steering Fluid Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Air Filter (brand and part#): SEE SPECK SHEET	Front Axle Differential Oil Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Air Filter (brand and part#): SEE SPECK SHEET	Front Axle Planetary Oil Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Hydraulic Filter (brand and part#): SEE SPECK SHEET	Rear Axle Differential Oil Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention
Hydraulic Fluid Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention	Rear Axle Planetary Oil Level: <input checked="" type="checkbox"/> OK <input type="checkbox"/> Requires Attention

Pre-Inspection Comments:

Exact Crane & Equipment Corp.

Unit #:

Date:

Items	Good	Repair	NA	Comments
Electric Swing Locking Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lift Cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Counterweight	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boom	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Jib	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheaves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wire Rope Hoist #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wire Rope Hoist #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Headache Ball	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hook Block	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic Swivel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical Swivel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operators Cab				
Load Chart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operators Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LMI Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Service/Maintenance Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety Manual	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bubble Levels (or equivalent indicator)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safety Decals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Seat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Glass/Windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Window/Door Slides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Window/Door Handles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Windshield and Wipers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Skylight Wiper	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Controls and Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Control Adjustment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LMI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ATB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Switches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Horn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Warning Buzzers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Defroster	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Air Conditioning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NEEDS CHARGED
Mirrors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Catwalk and/or Handrails (holds)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fire Extinguisher – List Exp. Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ATB Lockout Flag	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power Plant				
Performance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ENGINE HAS BAD RPOCIR (LOW OIL PRESSURE)
Batteries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Unit #:

Date:

Items	Good	Repair	NA	Comments
Exterior Appearance				
Clean/Degreased	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Paint Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operator Cab Panels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Carrier Panels	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Decking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Engine cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Chassis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lights (headlights, marker, tail, stop, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hand Signal Decal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electrocution Decal (with clearance distance)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Swing Decal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tires				
Required Inflation Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Excessive Wear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sidewall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lug Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wheel/Rim	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Travel				
Steering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brakes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Drive Shaft and U-Joints	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Transmission	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOAD VIBRATION DURING TRAVEL
Transfer Case	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Front Axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rear Axle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Level/Lockout Cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outriggers				
Cracks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinder	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Superstructure				
Hoist #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hoist #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Swing Bearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Swing Box	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manual/Pedal Swing Brake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Manual Swing Locking Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Exact Crane & Equipment Corp.

Unit #:

Date:

Items	Good	Repair	NA	Comments
Oil Pressure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOW / ENGINE KNOCK Re-CORE RADIATOR INSTALLED
Cooling System	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fuel Tank and Cap	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NEW BELTS INSTALLED
Exhaust System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Drive Belts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Motor Mounts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Transmission mounts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Hydraulic System				
Tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Excessive Heating of Fluid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pumps and Motors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks at Valve Spools or Joints	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sticking Valve Spools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cylinders				
Drifting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rod Seal Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks at Welded Joints	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scored, Nicked, or Dented Rods	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Air System (If Applicable)				
Compressor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Low Air Warning Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tanks and Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Machine Operation Comments:				
ENGINE HAS LOUD KNOCK / LOW OIL PRESSURE (SEE ATTACHED REPAIR)				
TRANSMISSION HAS VIBRATION WHEN TRAVELING (SEE ATTACHED REPAIR).				
Post-Inspection Comments:				

EXACT**Repair sheet**

C#: 9150

Date:

Pg. of

Problem/ Issue/ Diagnosis:

Mechanic:

Scott, Mike, Jim

Complete ☒

Installed transmission and drive shafts

Repair/ Replace:

Side notes/ Specific Parts:

Date Started: 4/11/16

Date Finished: 4/11/16

Total Hrs: 4.5

Problem/ Issue/ Diagnosis:

Mechanic:

Scott, Rob, Mike, Jim

Complete ☒

checked for location of leak on transmission

Found leak near valve body between valve body & frame

Repair/ Replace:

Removed transmission to fix leak on valve body

Side notes/ Specific Parts:

Date Started: 4/13/16

Date Finished: 4/13/16

Total Hrs: 3.5

Problem/ Issue/ Diagnosis:

Mechanic:

Scott

Complete ☒

Repair/ Replace:

~~Removed trans~~ Reinstalled trans and tested, good on outriggers

Side notes/ Specific Parts:

Date Started: 4/14/16

Date Finished: 4/14/16

Total Hrs: 3

Problem/ Issue/ Diagnosis:

Mechanic:

Scott

Complete ☒

Tested transmission on ground, same noise as

Repair/ Replace:

before was heard. Worked with trans guy

diagnosing noise, removed drive shafts noise was still there

Removed trans again to send back to tranny shop

Side notes/ Specific Parts:

Date Started: 4/26/16

Date Finished: 4/26/16

Total Hrs: 6

Problem/ Issue/ Diagnosis:

Mechanic: ScottComplete ☒

Repair/ Replace:

Finished pulling head & inspect & found
damaged piston & head, started pulling
engine

Side notes/ Specific Parts:

Date Started: 1/25/16Date Finished: 1/25/16Total Hrs: 9

Problem/ Issue/ Diagnosis:

Mechanic: ScottComplete ☒

Repair/ Replace:

Continued pulling engine / Disconnecting everything
making trans supports & installing
made bracket & bolts to lift engine with

Side notes/ Specific Parts:

Jim 2hrDate Started: 1/26/16Date Finished: 1/26/16Total Hrs: 9

Problem/ Issue/ Diagnosis:

Mechanic: ScottComplete ☒

Repair/ Replace:

Continued pulling engine, disconnected
motor mounts ~~on engine~~
pulled engine out and brought it and head
inside

Side notes/ Specific Parts:

Rob 1.5 hrsDate Started: 1/27/16Date Finished: 1/27/16Total Hrs: 8

Problem/ Issue/ Diagnosis:

Mechanic: ScottComplete ☐

Repair/ Replace:

Got parts down from crane to
send with engine & head. Crated engine & part
parts in a bucket. Put in pick up and
told to Hawk

Side notes/ Specific Parts:

Date Started: 1/28/16Date Finished: 1/28/16Total Hrs: 20



Crane & Equipment Corp
28985 Ambina Dr. Solon, OH 44139
(440) 349-1999 Fax (440) 349-7099

Repair Sheet

RT9150

Date:

Pg. of

Make: Crane

Crane S#:

Hours:

Model: RT9130

Unit#:

Miles:

Problem/ Issue/ Diagnosis:

Mechanic:

Complete ☐

Set up unit For Engine Repair
Jump Start Set on O/R Swing Frozen

Repair/ Replace:

Removed Swing Pin Swing unit To Run

1-30-16

Side notes/ Specific Parts:

Date Started: / /

Date Finished: / /

Total Hrs: 3

Problem/ Issue/ Diagnosis:

Mechanic:

Complete ☐

Repair/ Replace:

Side notes/ Specific Parts:

Date Started: / /

Date Finished: / /

Total Hrs: _____

Problem/ Issue/ Diagnosis:

Mechanic:

Complete ☐

Repair/ Replace:

Side notes/ Specific Parts:

Date Started: / /

Date Finished: / /

Total Hrs: _____

**AMERICAN INDUSTRIAL TRANSMISSION, INC.**20395 HANNAN PKWY WALTON HILLS, OHIO 44146
1.800.588.7515 1.440.232.9545 FAX: 1.440.232.8142

INVOICE NUMBER

77685

SOLD TO

EXACT CRANE & EQUIPMENT
28985 AMBINA DR
OLON, OH 44139

SHIP TO

EXACT CRANE & EQUIPMENT
28985 AMBINA DR
OLON, OH 44139

ACCOUNT	PURCHASE ORDER NO	SHIP VIA	DATE SHIPPED	TERMS	INVOICE DATE
E2234	VERBAL	CUST PICKUP	03/29/16	ADV PAYM	03/30/16

QUANTITY		ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
ORDERED	SHIPPED				
1	1	TRANSMISSION	R36000	4,000.00	4,000.00
<p>PARTS AND CONVERTER RETURNS SUBJECT TO A 20% RESTOCK FEE. TRANSMISSION RETURNS SUBJECT TO A \$500.00 RESTOCK FEE.</p> <p>CORE MUST BE RETURNED NO LATER THAN _____ IF RECEIVED AFTER THIS DATE, A 10% LATE FEE WILL BE CHARGED.</p> <p>WE RESERVE THE RIGHT TO REFUSE LATE CORE RETURNS.</p> <p>NO RETURN AUTHORIZATION IS NEEDED FOR TIMELY CORE RETURNS.</p> <p>WARRANTY COVERAGE BEGINS ON DATE OF INSTALLATION.</p> <p>DISCOUNT TERMS DO NOT APPLY TO CORE CHARGES</p>					

COMMENTS:

SALE AMOUNT	4,000.00
MISC. CHARGES	0.00
SHIPPING	0.00
TOTAL	4,000.00

HAWK ENGINE & MACHINE, INC
 12166 YORK ROAD. UNIT 1
 NORTH ROYALTON, OH
 44133-3602
 Telephone 440-582-0900

Invoice # 4494
 Invoice Date 3/10/16
 Due Date: 3/10/16

Bill To: EXACT CRANE & EQUIP CORP

Deliver To: EXACT CRANE & EQUIP CORP

28985 AMBINA DR
 SOLON, OH 44139

28985 AMBINA DR
 SOLON, OH 44139

Customer #: 2011012

Your PO: ISC ENG RPR

Terms: cod

MFR Engine

Component

Item-#	Description	Qty	Unit	Price	Ext-price
CUM 5253887	LEVER, ROCKER	1.00		58.84	58.84
CUM 4944725	GUIDE, TAPPET	3.00		10.50	31.50
CUP 101182	CYLINDER KIT ISC	1.00		177.48	177.48
CUP 131743	GSKT KIT, UPPER	1.00		221.72	221.72
CUP 131746	GSKT KIT, LWR	1.00		141.81	141.81
CUP 171816	ROD BRGS C	12.00		3.27	39.24
CUP 191866	CAMSHAFT ASSY	1.00		318.78	318.78
CUP 192142	PUSHROD	12.00		13.43	161.16
CUM 3917728-2	CAPSCREW, CYL HD HEX FLN	26.00		5.63	146.38
CUM 3975487-2	GASKET, CONNECTION	2.00		12.48	24.96
CUM 3943445	CROSSHEAD	1.00		13.55	13.55
	CORE CHARGE TURBO	1.00		325.00	325.00
CUP 191857	TAPPET, ROLLER	12.00		26.73	320.76
Svc #		1.00		1837.15	1837.15
CYL HEAD RECONDITION (DC 323504					
Svc #		1.00		1114.41	1114.41
REBUILD INJECTOR AS NEEDED					
TEST 6 RESEAL 4 EXCHANGE 2					
Svc #		1.00		1112.00	1112.00
TURBO EXCHANGE					
Svc #		1.00		1200.00	1200.00
#4 CYL BAD DISMANTLE PART'L					
CLEAN AND INSPECT PARTS					
INSTALL LIFERS & CAM TIME					
REPLACE #4 CYL INSTALL HEAD AND ROCKERS ADJUST					

HAWK ENGINE & MACHINE, INC
12166 YORK ROAD. UNIT 1
NORTH ROYALTON, OH
44133-3602
Telephone 440-582-0900

Invoice # 4494
Invoice Date 3/10/16
Due Date: 3/10/16

Bill To: EXACT CRANE & EQUIP CORP

Deliver To: EXACT CRANE & EQUIP CORP

28985 AMBINA DR
SOLON, OH 44139

28985 AMBINA DR
SOLON, OH 44139

Customer #: 2011012
MFR Engine

Your PO: ISC ENG RPR
Component

Terms: cod

Item-#	Description	Qty	Unit	Price	Ext-price
THANK YOU				Total Parts	1,981.18
ESN 73266190				Total Labor	5,263.56
				EPA & Supplies	50.00
				Sales Tax	0.00
				Freight	183.49
				BALANCE DUE --->	7,478.23

QSC 8.3
Tier III 3

Paid CR 10767

Work Order: 1502-0003

FEB 2015 - MISC REPAIR

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number:	RT-150-151	Year:	2011	License:	
Unit Description:	GROVE RT9150E ROUGH TERRAIN 150T	Make:	GROVE		
Serial Number:	231938	Model:	ROUGH TERRAIN		
Location:	Western	Type:	CRANE - ROUGH TERRAIN		
Status:	AVAILABLE	KMs:		Hours:	

Originator	Technician	Start Date	Completed Date
Natasha McAvoy	(EFT)MEERMAN CONTRACTING LTD.	Feb-02-2015	May-25-2015

Attachments / Instructions
<p>FEB 2015 - MISC REPAIR</p> <p>FEB 1, 2015 - BOB MEERMAN</p> <p>-SERVICE CALL TO CHECK BOOM TELI PROBLEM</p> <p>-FOUND THAT SNOW BUILD UP ON CABLE REEL TOOK BOOM LENGTH OUT OF PERAMETERS</p> <p>-MANUALLY BRING IN BOOM & RE-ZERO CYL.</p>

Work Order: 1412-0004

DEC 2014 - MISC REPAIR

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number: RT-150-151
Unit Description: GROVE RT9150E ROUGH TERRAIN 150T
Serial Number: 231938
Location: Western
Status: AVAILABLE

Year: 2011
Make: GROVE
Model: ROUGH TERRAIN
Type: CRANE - ROUGH TERRAIN
KMs:
License:
Hours:

Originator	Technician	Start Date	Completed Date
	(EFT)MEERMAN CONTRACTING LTD.	Dec-01-2014	Mar-23-2015

Attachments / Instructions
<p>DEC 2014 - MISC REPAIR</p> <p>DEC 10, 2014 - BOB MEERMAN -TROUBLESHOOTING COMPUTER PROBLEMS, A2B & CRANE FUNCTIONS</p> <p>DEC 13, 2014 - BOB MEERMAN -WORKING WITH SRONGCO ON A2B & COMPUTER PROBLEMS</p> <p>DEC 14, 2014 - BOB MEERMAN -WORKING ON COMPUTER PROBLEMS WITH STRONGCO REP</p>

Work Order: 1409-0020

SEPT 2014 - MISC REPAIRS

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number: RT-150-151
Unit Description: GROVE RT9150E ROUGH TERRAIN 150T
Serial Number: 231938
Location: Western
Status: AVAILABLE

Year: 2011
Make: GROVE
Model: ROUGH TERRAIN
Type: CRANE - ROUGH TERRAIN
KMs:
License:
Hours:

Originator	Technician	Start Date	Completed Date
	UNASSIGNED	Sep-08-2014	Nov-25-2014

Attachments / Instructions
<p>SEPT 2014 - MISC REPAIRS</p> <p>SEPT 12, 2014 - BOB MEERMAN -REMOVE COVERS & GUARDS & REPLACE -MISSING & BROKEN CLAMPS ON MUFFLER</p> <p>SEPT 22, 2014 - MIKE WOOD -HYD LEAK AT BASE OF SCOPE CYL -HYD LEAK AT VALVE AT UPPER CENTER -REPLACE 2 HYD HOSES FROM PUMP TO SWIVEL & HYD FILTERS BY FUEL TANK</p>

Work Order: 1408-0006

AUG 2014 - MISC REPAIRS

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number: RT-150-151
Unit Description: GROVE RT9150E ROUGH TERRAIN 150T
Serial Number: 231938
Location: Western
Status: AVAILABLE

Year: 2011
Make: GROVE
Model: ROUGH TERRAIN
Type: CRANE - ROUGH TERRAIN
KMs:
License:
Hours:

Originator	Technician	Start Date	Completed Date
	(EFT)MEERMAN CONTRACTING LTD.	Aug-05-2014	Oct-16-2014

Attachments / Instructions

AUG 2014 - MISC REPAIRS

AUG 1 - BOB MEERMAN
ERROR CODES COMING UP ON ECOS. CONTACT STRONGCO & WORKING WITH REP.

AUG 20 - BOB MEERMAN
LOOKING FOR OIL LEAK IN BOOM. REMOVE TOP COVER & GO INSIDE BOOM. SLIGHT OIL LEAK AT ROD HEAD.
CAN'T FIND WHERE IT'S COMING FROM. WILL CHECK FURTHER WHEN CRANE IS AVAILABLE.

AUG 30 - BOB MEERMAN
RE-SPOOL HOIST CABLE.
REPAIR OIL LEAK ON QUICK COUPLER FOR O/R BOX.

Work Order: 1407-0069

JULY 2014 - MISC REPAIRS

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number: RT-150-151
Unit Description: GROVE RT9150E ROUGH TERRAIN 150T
Serial Number: 231938
Location: Western
Status: AVAILABLE

Year: 2011
Make: GROVE
Model: ROUGH TERRAIN
Type: CRANE - ROUGH TERRAIN
KMs:
License:
Hours:

Originator	Technician	Start Date	Completed Date
	WOOD, MIKE	Jul-21-2014	Sep-09-2014

Attachments / Instructions

JULY 2014 - MISC REPAIRS
JULY 18/14 - BOB BMEERMAN
-INSTALL NEW PROX SWITCH FOR REAR STEER CENTERING LIGHT

JULY 19/14 - BOB MEERMAN
-TROUBLESHOOTING NOISY SWING, SEEMS TO BE COMING FROM REAR O/R BOX, BOX NEEDS TO BE REMOVED SO MOUNTING PINS CAN BE LUBED

JULY 23/14 - BOB MEERMAN
-SET UP CRANE & GREASE INNER & OUTER BOOM SLIDES

Work Order: 1406-0010

JUNE 2014 - MISC REPAIRS

Problem Type: Repair
Call Category: CMR Misc Repairs
Call Status: CLOSED

Unit Number: RT-150-151
Unit Description: GROVE RT9150E ROUGH TERRAIN 150T
Serial Number: 231938
Location: Western
Status: AVAILABLE

Year: 2011
Make: GROVE
Model: ROUGH TERRAIN
Type: CRANE - ROUGH TERRAIN
KMs:
License:
Hours:

Originator	Technician	Start Date	Completed Date
	WOOD, MIKE	Jun-04-2014	Jul-30-2014

Attachments / Instructions

June 4/14 - Mike Wood

- Repair engine #1 cylinder, exhaust spring broken. Pull valve cover, replace spring, bridge & rocker.
- Set valves on #1 & reinstall valve cover.

June 6/14 - Mike Wood

- Replace both push tube on #1 cylinder. Tubes were bent from spring failure and straightened, needed to replace.

June 16/14 - Brent Owen

- Error code 1218 coming up on computer screen. The machine had been shut off and restarted - code dropped after a dozen or so off and on.



SERVICE REPORT

Date: 1/6/17

Customer's Name: Bigge

Customer P.O. # _____

Job Location: Houston, TX

M/M/T: _____

Hours: 8075

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: engine idler pulley squeaking, tension pulley squeaking, needs engine service, replace engine cover latch

Repairs Completed: engine idler pulley removed & replaced, engine tensioner pulley removed & replaced, all filters for engine service removed & replaced, drained oil & filled w/15w40 engine oil, installed engine cover latch

Qty	Part Number	Description	Ordered	Installed
1	FS 1003	fuel filter (primary)	✓	✓
1	3697	fuel filter	✓	✓
1	LF9004	oil filter	✓	✓
1	3978324	idler pulley	✓	✓
1	3974102	tensioner pulley	✓	✓

Recommendations: _____

Technician: Julian Rios / George Perez

Customer Name: _____

Job Complete:
Yes ☒ No ☐

Labor: Reg _____

O.T. _____

Customer Signature: _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 4-25-2017

Customer's Name: AGL

Customer P.O. # _____

Job Location: SRT 435 south

M/M/T: Grove RT 9150 G

Hours: 8483

Equipment # BE150104

Serial # _____

Trip Mileage _____

Describe Defects & Cause of Failure: Replace main drum cable

Repairs Completed: Installed new cable on main drum. Installed
Block and Ant. two block weight. Test for proper function.

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Bryan V...

Customer Name: AGL

Customer Signature: _____

Job Complete: _____

Yes ☒ No ☐

Labor: Reg _____

O.T. _____



SERVICE REPORT

Date: 6/13/17
Customer's Name: Ameco Customer P.O. # _____
Job Location: CP Chem M/M/T Grove 9150E Hours: 8697
Equipment # BE150104 Serial # _____ Trip Mileage _____
Describe Defects & Cause of Failure: Active I/O.1 error - swing angle
sensor not responding

Repairs Completed: Replaced swing angle sensor. (checked
wiring for damage - could not see any issues.
Reg machine to check for errors - none
after repair

Qty	Part Number	Description	Ordered	Installed
1	GK03326912	Angle sensor assembly		X

Recommendations: _____

Technician: Austin Bohrer
Customer Name: Avron Dorman Job Complete: _____ Labor: Reg _____
Customer Signature: Avron Dorman Yes ☒ No ☐ O.T. _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 7/10/17

Customer's Name: Ref. Chem

Customer P.O. # _____

Job Location: baytown tx

M/M/T: Grove RT 9150 E

Hours: 9065

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: Crane wont Tele.

Repairs Completed: Crane wouldnt tele. after customer erected jib. jib was connected correctly but they had failed to connect lift cyl. causing invalid lift angle not letting crane tele. connected lift cyl. put in valid lift angle & crane functions properly.

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Joseph Quirica

Customer Name: E. Navarrette

Customer Signature: E. Navarrette

Job Complete:

Yes ☒ No ☐

Labor: Reg _____

O.T. _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 07-31-17

Customer's Name: Ref Phen

Customer P.O. # _____

Job Location: Baytown

M/M/T: Grove R+9150 E

Hours: 917

Equipment # BE150104

Serial # 231938

Trip Mileage 30 m way

Describe Defects & Cause of Failure: Out rigger Qds leaking Right Rear
X 4

Repairs Completed: Replaced 4 Qds + 4 Orings

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Kenny Hernandez

Customer Name: _____

Customer Signature: J.M. Miller

Job Complete: _____

Yes ☐ No ☐

Labor: Reg _____

O.T. _____



SERVICE REPORT

Date: 8-24-17

Customer's Name: REF-Chem

Customer P.O. # _____

Job Location: Baytown, TX

M/M/T: GROVE RT 9150E

Hours: 9/58

Equipment # BE 150104

Serial # _____

Trip Mileage _____

Describe Defects & Cause of Failure: Boom out of sync.

Repairs Completed: Resynced boom system, customer said they would remove main block while using job.
All checks & test good

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Bradley Lick

Customer Name: Ref-chem

Customer Signature: Eddie T. Marrett

Job Complete: _____

Yes ☒ No ☐

Labor: Reg _____

O.T. _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 9/6/17

Customer's Name: Ref Chem

Customer P.O. # _____

Job Location: Baytown Tx

M/M/T: Grave RT9150

Hours: 9070

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: Crane lost boom sync.

Repairs Completed: boom tele lost sync. removed cover on tele reel and cleaned out. Inside looked like film had built up. Cleaned out thoroughly & dried. resynced boom pot in correct configuration and tested crane has no issues or errors. Also installed new latch kit on ball

Qty	Part Number	Description	Ordered	Installed
1	471784	latch kit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Recommendations: _____

Technician: Levi Arrio

Customer Name: Fred Miller

Customer Signature: Fred Miller

Job Complete:

Yes ☒ No ☐

Labor: Reg _____

O.T. _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

Date: 11/30/17
Customer's Name: Bigge Customer P.O. # _____
Job Location: Shop M/M/T: RT9150E Hours: 9501
Equipment # BE150104 Serial # 231938 Trip Mileage _____
Describe Defects & Cause of Failure: Doing OFF RENT
Repairs

Repairs Completed: Did Full PM Fixed
oil leak on Valve covers Replaced
gaskets Fixed oil leak on
Hose for Filter Fixed HY Drail Leak
on Pumps Did 3rd Party inspection
greased upper and lower
Fixed temp sensor wire cleaned
swivel with electrical cleaner
Put new mirror on winch
Replaced ORing on oil cooler
Replaced ORings on Hose
on swivel

ordered Fan shroud not in yet

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Mike Travis Charlie

Customer Name: _____

Customer Signature: _____

Job Complete:
Yes ☒ No ☐

Labor: Reg _____
O.T. _____



Auburn, WA
206-443-8500
San Leandro, CA
510-638-8100

Richmond, VA
804-271-9356
North SLC, UT
801-292-2453

Houston, TX
713-456-3086
TOLL FREE
888-337-2444

SERVICE REPORT

DATE: 4/2/18

CUSTOMER			TRIP MILEAGE	
CONTACT NAME & NO.				
ADDRESS				
MAKE	MODEL	SERIAL NUMBER	HOURS	UNIT NUMBER
GROVE	RT9150	231938	10175	BE150104

SERVICE REQUESTED

ENGINE STARTED KNOCKING AGAIN AFTER REINSTALLING THE CROSS TAPPET FOR VALVE ROCKER ON CYLINDER #2
ONLY LASTED 4 HOURS

REPAIRS MADE

ORDERED AND INSTALLED NEW PUSH RODS, TAPPETS, ROCKERS, ADJUSTING SCREWS ON CYLINDER #2. ADJUSTED ALL VALVES
ADJUSTED EXH VALVES TO 0.018 IN AND INTAKE VALES TO 0.010 IN

COMMENTS

PART NUMBER	QNTY	DESCRIPTION	INSTALLED	ORDERED

BRIAN STARKEY
TECHNICIAN

CUSTOMER SIGNATURE



SERVICE REPORT

Date: 4-25-2017

Customer's Name: AGL

Customer P.O. # _____

Job Location: SRT#35 south

M/M/T: Grove RT9150 E

Hours: 8483

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: Replace main drum cable

Repairs Completed: Installed new cable on main drum. Installed
Block and Anti two block weight. Test for proper function.

Qty	Part Number	Description	Ordered	Installed

Recommendations: _____

Technician: Bryan VanH...

Customer Name: AGL

Customer Signature: _____

Job Complete: _____

Yes ☒ No ☐

Labor: Reg _____

O.T. _____



14800 Jersey Shore Dr.
Houston, TX 77047
(713) 434-0995

SERVICE REPORT

10 14 028556

Date: 6.18.18

Customer's Name: _____

Customer P.O. # _____

Job Location: Houston Shop

M/M/T: Grave RT 9150E

Hours: 10,224

Equipment # BE150104

Serial # 231938

Trip Mileage _____

Describe Defects & Cause of Failure: _____

Repairs Completed: Austin and Brad Replaced Engine -
Replaced Aux Becket - Replaced upper cab Mirror
Touched up scars on Jib - Molly Sacks and
Center Bearing - Dino Replaced worn out Callars
on Jack Pads - Installed Keep in Aux latch - Replaced
Keepers and chains on back block - Grease Boom - lube
Cables - Checked speed on main and Aux Winch -
Replaced Aux cable - ordered key for Ignition -
Installed fire ext - Replaced caps on out rigger
Sacks - Replaced Two Batteries - Grease house lock -
New Ecm on Engine not working Replaced it
with the old one - Clean Jib holes - Checked all
fluids - Blowed out Dirt from A/c Condenser,
filters, and coolers

Qty	Part Number	Description	Ordered	Installed
1	02254477	Mirror	✓	✓
1	90016097	Switch Assy	✓	✓
1	7826000641	3/4" Glen Wedge	✓	✓
4	7258001543	Cap	✓	✓
4	6184002997	Cap Bracket	✓	✓

Recommendations: _____

1# 19mm Wire Rope / yot 6.308000117 = Yoke / yot
6593000137 = levers / yot 9834100006 = Spring Kit

Technician: Julian / Greese

Customer Name: _____

Job Complete: _____

Labor: Reg _____

Customer Signature: _____

Yes ☒ No ☐

O.T. _____

Eqt.#	Model	Serial #	Hours	Location:	Last P.M.	Hour	Date	Received	Ready	Delivery	GPS
BE150104	RT9150E	231938	11,313	YARD	Service	10,224	6/18/2018				
Make	GROVE	Customer damage job #				Customer damage	ETR (HOURS)	Tech	Status	Repair date	Actual repair time
Needed repairs											
Off rent inspection.								MARCUS	DONE	4/12/2019	
PM service past due							5	CM/TV	DONE	4/24/2019	
Update 3rd party							1	kempco	DONE	10/8/2019	
No GPS installed							1				
Front left headlight not working							1	CM/TV	DONE	4/24/2019	
Need to stamp ball information onto ball or install new ID tag							1	CM/TV	DONE	4/25/2019	
Need keeper pin & touch up paint on ball							1	CM/TV	DONE	4/25/2019	
Hyd level is low							2	CM/KL	DONE	10/11/2019	
Side flow control valve is very noisy when operating crane							8	CM/TV	DONE	4/29/2019	
Paint on crane is faded & has some scratches/previous cement splatter							5				
Service batteries & check alternator output (light on on display)							3	CM/TV	DONE	4/24/2019	
Grease drive train							2	CM/TV	DONE	4/25/2019	
Check travel brakes, feels like a set not releasing all the way							4	CM/TV	DONE	4/24/2019	
Need molly or lube on outtrigger jacks							1	CM/TV	DONE	4/25/2019	
Need molly on slew ring bearing							1	CM/TV	DONE	4/24/2019	
Hi speed on both joysticks doesn't work also with tele							3	CM/TV	DONE	4/25/2019	
Blow out radiator, hyd cooler, a/c condenser & filters							1	CM/TV	DONE	4/26/2019	
Check 134a in a/c system							4	CM/TV	DONE	4/29/2019	
Update fire ext.							1	CM/TV	DONE	4/25/2019	
Replace missing hood latch							1	CM/TV	DONE	4/24/2019	
Wash engine							1	washguys			
Upper T/M needs washing							1	washguys			
Telescope has no fast mode							4	CM/TV	DONE	4/29/2019	
Lube upper/lower tele & side pins, very dry							1	CM/TV	DONE	4/24/2019	
Lube cables							2	CM/TV	DONE	4/25/2019	
Rear main seal is leaking							40	CM/KL	Done	10/10/2019	
Hi speed on winches & tele not working							6	CM/TV	DONE	4/24/2019	
Grease upper/lower crane							2	CM/TV	DONE	4/25/2019	
Crane needs to be washed							1	washguys			
Replace clamp on exhaust							1	CM/TV	DONE	4/24/2019	
Replace heater valves							2	CM/TV	DONE	4/25/2019	

Tech

Date

Mark Martin 10-16-19



Date Submitted: 10-17-2019 02:25 PM

Submitted By: tvincent@bigge.com

Bigge Service Report

Sequence Number	567
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Information

Service Type	<input checked="" type="checkbox"/> Maintenance
Maintenance Type	<input checked="" type="checkbox"/> General Repair Damage Repair Warranty Scheduled Maintenance
Equipment Type	R/T
Date/Time:	10-17-2019
Equipment Number:	BE150104
Make:	Grove
Model:	RT9150E
Serial Number:	231938
Customer Name:	Berdal
Jobsite Name:	Waste water
Jobsite Address:	https://www.google.com/maps/search/?query=30.82500,-97.54585&query_place_id=ChIJd9szop8IRYYRdlfSQ0_dDXE&api=1&hl=en Current Location: Jarrell
Job Number:	ldk

Details of work



Travel to job by:	Air <input checked="" type="checkbox"/> Bigge Vehicle Personal Vehicle Rental Car
Weather conditions:	<input checked="" type="checkbox"/> Clear High Wind Rain Snow Ice <input checked="" type="checkbox"/> Excessive Heat Excessive Cold
Description of initial call out / reported issue:	Ac belt broke



Date Submitted: 10-17-2019 02:25 PM

Submitted By: tvincen@bigge.com

Bigge Service Report

Work performed:	Changed ac belt
Parts used:	Ac belt
Were there any issues or delays?	No
Follow up work / recommendations:	None
Time arrived on site	02:20 PM (-5 GMT)
Time equipment was back in service (This may differ from time left site)	04:22 PM (-5 GMT)
Hour Meter Reading:	11365
Hour Meter	
Annual Inspection Sticker	

Acceptance




Acknowledgment	<p>By my signature below, I certify that all work has been performed to my satisfaction.</p> <p>Thank You</p>
----------------	---



Date Submitted: 10-17-2019 02:25 PM

Submitted By: tvincent@bigge.com

Bigge Service Report

	 30.825018, -97.545828
Name:	John Elam
Signature	
Name:	Travis Vincent
Signature	

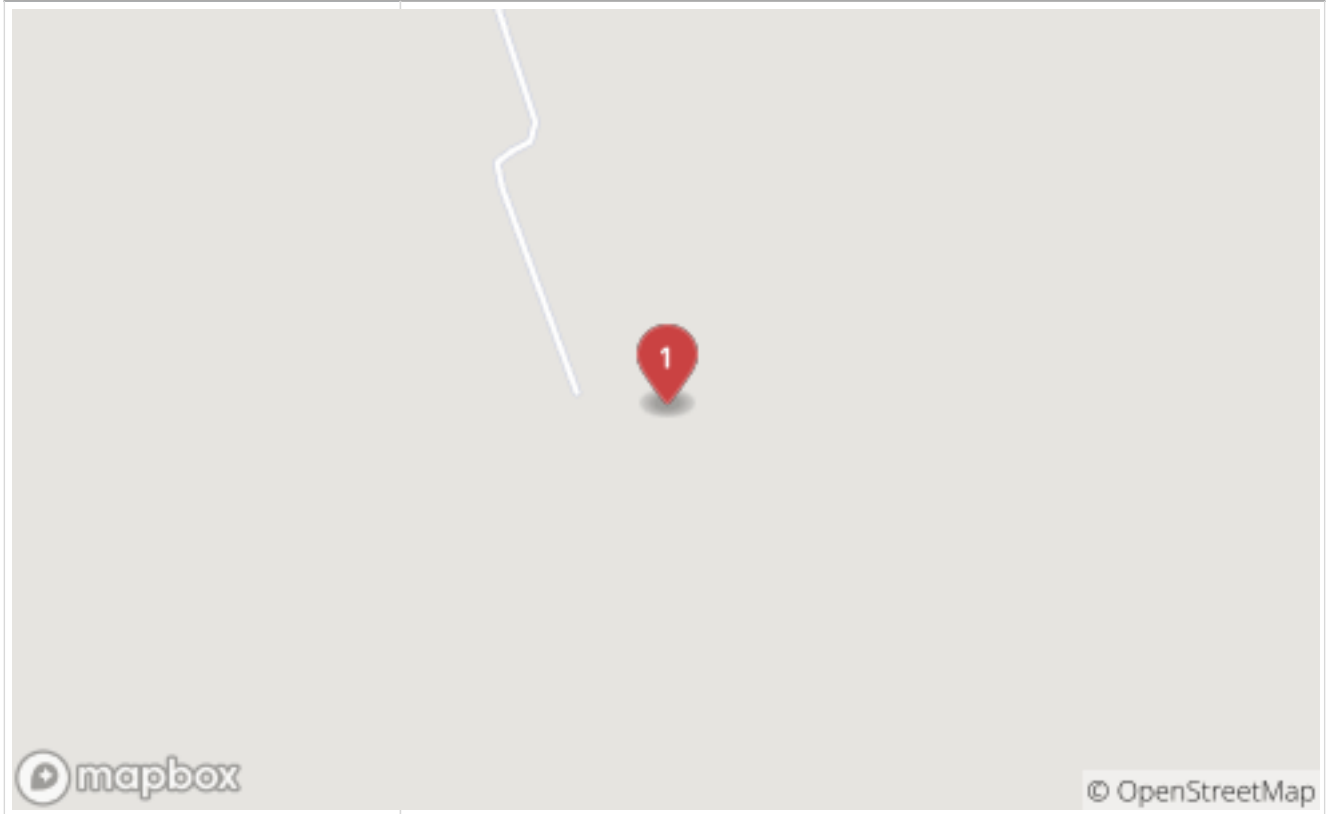


Date Submitted: 10-17-2019 02:25 PM

Submitted By: tvincent@bigge.com

Bigge Service Report

Form Locations





Bigge Service Report

Sequence Number	621
-----------------	-----

Information

Service Type	<input checked="" type="checkbox"/> Maintenance
Maintenance Type	<input checked="" type="checkbox"/> General Repair Damage Repair Warranty Scheduled Maintenance
Equipment Type	R/T
Date/Time:	10-29-2019
Equipment Number:	BE150104
Make:	Grove
Model:	RT9150E
Serial Number:	231938
Customer Name:	Bernal
Jobsite Name:	Water plant
Jobsite Address:	https://www.google.com/maps/search/?query=30.82497,-97.54577&query_place_id=ChIJd9szop8IRYYRdlfSQ0_dDXE&api=1&hl=en Current Location: Jarrell
Job Number:	ldk

Details of work


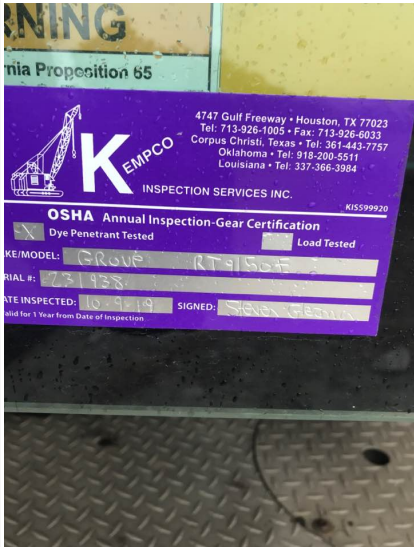
Travel to job by:	Air <input checked="" type="checkbox"/> Bigge Vehicle Personal Vehicle Rental Car
Weather conditions:	Clear High Wind <input checked="" type="checkbox"/> Rain Snow Ice Excessive Heat <input checked="" type="checkbox"/> Excessive Cold
Description of initial call out / reported issue:	Belt is squeaking and horn don't work



Date Submitted: 10-29-2019 10:19 AM

Submitted By: tvincen@bigge.com

Bigge Service Report

Work performed:	Had to replace the belt and tightened wires on horn
Parts used:	One belt for AC
Were there any issues or delays?	No
Follow up work / recommendations:	No
Time arrived on site	10:00 AM (-5 GMT)
Time equipment was back in service (This may differ from time left site)	12:17 PM (-5 GMT)
Hour Meter Reading:	11456
Hour Meter	
Annual Inspection Sticker	

Acceptance




Acknowledgment	By my signature below, I certify that all work has been performed to my satisfaction. Thank You
----------------	--



Date Submitted: 10-29-2019 10:19 AM

Submitted By: tvincent@bigge.com

Bigge Service Report

	 30.824906, -97.545788
Name:	John Elam
Signature	
Name:	Travis Vincent
Signature	



Date Submitted: 10-29-2019 10:19 AM

Submitted By: tvincent@bigge.com

Bigge Service Report

Form Locations

