



	SERVICE REPORT	
Date: 3-3-17		
Customer's Name: Bigge	Customer P.O. #	<i></i>
Job Location: Houston Tx	M/M/T: Grove RT 890 E	Hours: <u>2515</u>
Equipment # BF9085	Serial # <b>234 114</b> Trip Mileag	ge
Repairs Completed: 1. remove with new oil of filte 5. RER Block & Bal	1. pump leaking 2. Hyel service ?  ting har ahole 5. block & Ball le missing 7. override key missing  d & rescaled pump 2. serviced Hy  ers 3. replaced ladder 4. replace  ll latch 6. installed new mirror  ey 8. repaired front tray	3. Indder Atch unserv.  B. Front  ed system  ed AIC hose  7. justalled
Qty Part Number	Description	Ordered Installed
1 925 8100173 bree	ther fill cap ad filer element	
1 9437100849 Hy	id filer element	
	skef	
1 80024678 1	adder	
1 390	gel of Hyd oil	
Recommendations:		
		<u> </u>
Technician: Julian R/6		D. D. C.
Customer Name:	ob complete.	r: Reg
Customer Signature:	Yes No 🗖	0.1

Copies: White: Office

Pink: Customer

□BELLE CHASSE, LA — (504) 394-7400 □BIRMINGHAM, AL — (205) 661-1323

□DALLAS, TX — (972) 556-0910 □HOUSTON, TX — (713) 433-6411

PURCHASE ORDER	t NO			EMPLOYEE NO	1000534
MACHINE MAKE  OWNER	MODEL A T 890 E - 2	SERIAL NO. 2 3411	14	2-20-14	JOB NO.
	vane		USER		
LOCATION			MACHINE SET		HOUR METER 59
WORK REQUESTED Has	esmputer	Pr	ostlem,	5	
WORK PERFORMED	ve to ;	TOB	site	+ starter	l checkins
	er Problems	5 d f	ound	main Plu	c to
convertion.				Back in t	/
Elel away	1 - 8 1	coclae		A 1 /	that took
Had water	in it, And	-		, ,	"Y, And
Hocked up	lagter		clant		ist they
	Tu man als		/		
tool to es	and + it	Hael s	135 000	de on eng.	ine its
Crankcas.	y Pressure	E Pro	De m	Ø.	
FOR INTERN	AL USE ONLY: FL	SL	HL	GL OT	THER

DATE		EAGE	HOURS V	VORKED	LUNCE	I TIME		TECHNIC	CIAN HOURS	
M / D / Y	то	FROM	START	END	START	END	TOTAL HRS	REGULAR	OVERTIME	HOLIDAY
SAT / /										
SUN / /										
MON / /										
TUE / /										
WED / /										
THURS / /										
FRI / /										-
TOTAL MILEAGE			Control				TOTAL HOURS			

FORM HE-CDSR

CUSTOMER SIGNATURE

DATE DATE

SERVICE TECHNICIAN SIGNATURE

2-20-14 DATE



	SERVICE R	REPORT		
Date: \$\\\ \pi 3 - \pi 6 - 14				
Customer's Name: Byge Eq.	aprest	Custome	er P. O. #	
Job Location: Bygo 5 hoy	<u>'</u> M/M/T:		Hours:	59
Equipment # <u>B69085</u>	Serial # 23.	4114		
Describe Defects & Cause of Failt	ıre:			
Repairs Completed: (101/16)  System problem  Bod Stel A	5 or Grove O The Recree	Pobler wither was Bod and To Be Colibra	Wind So	eed lew-the
Qty Part Number	Desci	ription	Ordered	Installed
Recommendations:				
Technician: Dev M				
Customer Name:	>	Job Complete:	Labor: Reg	
Customer Signature:		Yes 🗆 No 🖸	O.T	

Copies: White: Office

Pink: Customer



Customer P. O.	#	
F	Hours: 62	2.5
the wind miter		
t 03-06-14 Bod to and Stal Thes k and All the	Stel R many. Code as	let at.
on	Ordered	Installed
Job Complete: Labo	0	
	t 03-06-14 Bod no and star these k and All the	Hours: 64  The wind miter-  to 03-06-14 Bod Stell No and Stal thes many he and All the Code will  on Ordered

Copies: White: Office

Pink: Customer



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## **INVOICE NO**

012-18069

REMIT TO: P. O. BOX 910509 DALLAS, TEXAS 75391-0509

### **BILL TO**

**BIGGE CRANE & RIG SERVICE** 1070 BIGGE AVE SAN LEANDRO, CA 94577-

## **OWNER**

**BIGGE CRANE & RIG SERVICE** 1070 BIGGE AVE SAN LEANDRO, CA 94577-RICK RUMERY - 832 405-4153

PAGE 1 OF 5 \*\*\* CCARD \*\*\*

EQUIPMENT MAKE	PUMP NO.	ENGINE MODEL	DATE IN SERVICE	CUSTOMER ORDER NO.	DATE
GROVE		QSB	12-FEB-2014	WARRANTY	15-MAR-2014
EQUIPMENT MODE	CPL NO.	ENGINE SERIAL NO.	FAIL DATE	SHIP VIA	CUSTOMER NO.
RT754/760		73549700	21-FEB-2014		184021
UNIT NO.	PUMP CODE	MILEAGE/HOURS	PARTS DISP.	SALESPERSON	REF. NO.
BE9085		/ 61		17538	256246

PART NUMBER PRODUCT DESCRIPTION UNIT PRICE AMOUNT ORDERED ORDERED SHIPPED

OSN/MSN/VIN

73549700

COMPLAINT

CUSTOMER COMPLAINT OF NOISE IN TURBO

ADDRESS:

14800 JERSEY SHORE DR

POC: RICK RUMERY 832-405-4153

CAUSE

DSID# DSBDM3250

INTAKE AIR SYSTEM. TURBO. ASSEMBLY. BROKEN, CRACKED. LOCATION N/A.

CORRECTION

TURBO FAILED CAUSE PROGRESSIVE DAMAGE TO VGT ACTUATOR.

02-21-14 JADY NELSON 17412: ARRIVED AT CUSTOMER LOCATION AND DROVE

TO UNIT

-CONNECTED INSITE AND GOT ECM IMAGES

-BEGAN TROUBLE SHOOTING AND STARTED ENGINE TO VERIFY NOISE AND

VERY LOUD NOISE COMING FROM TURBO

-REMOVED TOP PANEL, REAR PANEL, AIR DISCHARGE PIPE TO CHARGE AIR COOLER, AIR INLET PIPE AT TURBO, AND EXHAUST PIPE FROM TURBO OUTLET -FOUND TURBO SHAFT FINS DAMAGED FROM HITTING THE COMPRESSOR HOUSING AND THE TURBO SHAFT HAD EXCESSIVE MOVEMENT UP AND DOWN. -FOUND WHEN TURBO FAILED THAT EXCESSIVE AMOUNT OF OIL IN CHARGE AIR

COOLER AND MUST BE REMOVED AND CLEANED

-CHECKED THE TURBO TURBINE SIDE FOR OIL ON THE EXHAUST SIDE NO OIL

FOUND IN THE EXHAUST PIPING

-INSPECTED AFTERTREATMENT AND EGR CROSSOVER PIPE NO SIGNS OF OIL

ON EXHAUST SIDE.

-CALLED SHOP AND ORDER PARTS. ENGINE WAS COVERED UP AND TAGGED

Billing Inquiries? Please call us at (800) 306-6801. Visit us on the Internet at www.cummins-sp.com.

This invoice is subject to the terms and conditions of sale, including limitations on warranties, detailed on the reverse side of this form. Customer acknowledges the existence of these terms and conditions and confirms they have been read and fully understood. Cummins Southern Plains, LLC is a Texas limited liability company.

AUTHORIZED BY (print name)	SIGNATURE	DATE
		DATE



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BIGGE CRANE & RIG SERVICE 1070 BIGGE AVE SAN LEANDRO, CA 94577-RICK RUMERY - 832 405-4153

PAGE 2 OF 5 \*\*\* CCARD \*\*\*

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
15-MAR-2014	WARRANTY	12-FEB-2014	QSB		GROVE
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODE
184021		21-FEB-2014	73549700		RT754/760
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
256246	17538		/61		BE9085
QUANTITY BACK ORDERED ORDERED	QUANTITY PART SHIPPED NUMBER	DESCRIPTION	PRODUCT CODE		UNIT PRICE AMOUNT

OSN/MSN/VIN

73549700

OUT

-INSTALLED THE REAR AND TOP ACCESS PANELS, CLEANED WORK AREA, PUT ALL BOLTS AND CLAMPS INSIDE THE CRANE BY THE FOOT PEDALS.

03-05-14 JADY NELSON: ARRIVED AT SHOP, PICKED UP PARTS AND HEADED FOR CUSTOMER LOCATION.

-ARRIVED AT CUSTOMER LOCATION AND REMOVED THE TOP ON ENGINE HOOD AND BEGAN REPAIRS ON UNIT

-DRAINED ENGINE COOLANT AND REMOVED ALL THE PANELS AROUND ENGINE AND CHARGE AIR COOLER

-REMOVED ALL OF THE PIPING FROM CHARGE AIR COOLER AND UNBOLTED HOLD DOWN AND REMOVED THE CHARGE AIR COOLER AND PLACED IN BACK OF SERVICE TRUCK.

-REMOVED THE FOLLOWING ITEMS TO ACCESS AND REMOVE TURBO: EXHAUST OUTLET, WATER LINES, DISCONNECTED ELETRICAL CONNECTORS, HYDRAULIC FILTER BRACKET, TURBO OIL SUPPLY LINE, TURBO OIL DRAIN LINE, REMOVED VGT ACTUATOR AND REMOVED TURBO FROM THE EXHAST MANIFOLD

-THE TURBO MOUNTING STUDS HAD BROKEN OFF, ONCE TURBO WAS REMOVED -DROVE BACK TO SHOP AND CLEANED THE CHARGE AIR COOLER. PICKED UP **NEW STUDS AND BOLTS** 

-HEADED BACK TO LOCATION AND SWAPPED OVER ALL THE FITTINGS FROM OLD TO NEW TURBO

-INSTALLED TURBO ON TO EXHAUST MANIFOLD THIS PROCEDURE WAS DIFFICULT LIMITED ACCESS BETWEEN ENGINE AND FRAME

-ONCE TURBO WAS MOUNTED INSTALL OIL DRAIN LINE, OIL SUPPLY LINE, WATER LINES, CONNECTED INSITE AND PERFORMED VGT ACUATOR INSTALL TEST AND VGT ACUATER FAILE TEST. TRIED SEVERAL TIMES AND EACH TIME VGT ACTUATOR WOULD FAIL TEST.

-GOT A NEW VGT ACUATOR AND CONNECTED THE VGT ACTUATOR TO HARNESS AND PERFORMED INSTALL TEST AND PASSED. THE OLD VGT ACTUATOR **FAILED** 

-MOUNTED NEW VGT ACTUATOR ON TURBO AND PERFORMED CALIBRATE TEST

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**BIGGE CRANE & RIG SERVICE** 1070 BIGGE AVE SAN LEANDRO, CA 94577-

## OWNER

**BIGGE CRANE & RIG SERVICE** 1070 BIGGE AVE SAN LEANDRO, CA 94577-RICK RUMERY - 832 405-4153

PAGE 3 OF 5 \*\*\* CCARD \*\*\*

PUMP NO.	ENGINE MODEL	DATE IN SERVICE	CUSTOMER ORDER NO.	DATE
	QSB	12-FEB-2014	WARRANTY	15-MAR-2014
CPL NO.	ENGINE SERIAL NO.	FAIL DATE	SHIP VIA	CUSTOMER NO.
	73549700	21-FEB-2014		184021
PUMP CODE	MILEAGE/HOURS	PARTS DISP.	SALESPERSON	REF. NO.
	/ 61		17538	256246
	CPL NO.	QSB ENGINE SERIAL NO. CPL NO. 73549700 MILEAGE/HOURS PUMP CODE	12-FEB-2014 QSB  FAIL DATE ENGINE SERIAL NO. CPL NO. 21-FEB-2014 73549700  PARTS DISP. MILEAGE/HOURS PUMP CODE	WARRANTY 12-FEB-2014 QSB  SHIP VIA FAIL DATE ENGINE SERIAL NO. CPL NO. 21-FEB-2014 73549700  SALESPERSON PARTS DISP. MILEAGE/HOURS PUMP CODE

PRODUCT CODE ORDERED ORDERED SHIPPED PART NUMBER DESCRIPTION UNIT PRICE AMOUNT

OSN/MSN/VIN

73549700

AND PASSED AS WELL.

-POUR CLEAN ENGINE OIL IN TURBO OIL SUPPLY AND ROTATE TURBO TO PRIME

THE NEW TURBO.

-CLEANED ALL THE TURBO PLUMBING AND SET CHARGE AIR COOLER IN PLACE.

BUT HAD TO LEAVE CUSTOMER WAS SHUTTING DOWN FOR THE DAY.

-CLEANED WORK AREA AND PICKED UP TOOLS

03-06-14 JADY NELSON 17412: ARRIVED AT CUSTOMER LOCATION

-INSTALLED BANJO FITTINGS IN VGT ACTUATOR AND FILL WITH COOLANT

CHECKED FOR LEAKS NONE FOUND AT THIS TIME

-INSTALLED EXHAUST PIPING, DISCHARGE PIP TO CAC, AIR INLET PIPE, BOLTED DOWN CAC TO RADIATOR, INSTALLED SHROUDING, FRONT GUARD OF CAC. -STARTED AND TEST RAN ENGINE AND THEN PULLED UNIT OUTSIDE CUSTOMER RIGGED UNIT OUT AND CLEANED ENGINE BAY OF OIL

-TEST RAN ENGINE TO OPERATING TEMPATURES NO LEAKS FOUND AT THIS

DID NOT USE THE CRANK CASE PRESSURE SENSOR NO MORE ACTIVE FAULT

CODE

-INSTALLED ALL THE REMAINING PANELS AND RAN ENGINE UNDER LOAD FOR AN HOUR AND INSPECTED ENGINE FOR FUEL LEAK CUSTOMER STATES THEY MAY POSSIBLY HAVE. NO FUEL LEAK FOUND AT THIS TIME

- CLEANED WORK AREA AND INFORMED SITE CONTACT (RICK) OF STATUS,

REPAIRS COMPLETE.

COVERAGE SRO

**CUMMINS WARRANTY - COVERAGE APPLIED** 

0.3 HRS 99-999 MISC: R&I HYDRAULIC FILTER BRACKET FOR ACCESS TO

REMOVE TURBO. 17412 JADY NELSON

TOTAL MISC: 0.3 HRS 17412 JADY NELSON

TRAVEL BREAKDOWN

02-21-14 TRAVEL TO: 24 MILES @ 0.5 HRS 17412 JADY NELSON

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BIGGE CRANE & RIG SERVICE 1070 BIGGE AVE SAN LEANDRO, CA 94577-RICK RUMERY - 832 405-4153

PAGE 4 OF 5

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
15-MAR-2014	WARRANTY	12-FEB-2014	QSB		GROVE
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
184021		21-FEB-2014	73549700		RT754/760
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
256246	17538		/61		BE9085
QUANTITY BACK ORDERED ORDERED	QUANTITY PART SHIPPED NUMBER	DESCRIPTION	PRODUCT CODE		UNIT PRICE AMOUNT

OSN/MSN/VIN

73549700

TRAVEL FROM: 24 MILES @ 0.5 HRS 17412 JADY NELSON

TOTAL TRAVEL 2-21-14: 48 MILES @ 1.0 HRS 17412 JADY NELSON

03-05-14 TRAVEL TO: 48 MILES @ 1.0 HRS 17412 JADY NELSON

TRAVEL FROM: 57 MILES @ 1.2 HRS 17412 JADY NELSON

TOTAL TRAVEL 03-05-14: 105 MILES @ 2.2 HRS 17412 JADY NELSON

03-06-14 TRAVEL TO: 35 MILES @ 0.7 HRS 17412 JADY NELSON

TRAVEL FROM: 24 MILES @ 0.5 HRS 17412 JADY NELSON

TOTAL TRAVEL 03-06-14: 59 MILES @ 1.2 HRS 17412 JADY NELSON

1	1	SP4620	NON CHLORN BRAKE CLEANER	OTHER	3.26		3.26	*
1	1	4032823	KIT, VG ACTUATOR FITTING	CECO	1,012.50		1,012.50	*
1	1	2881937NX	KIT,TURBOCHARGER	DRC	2,169.99		2,169.99	*
1	1	4089312D	TURBO, HE341VE	CLEAN	500.00		500.00	
-1	-1	4089312D	TURBO, HE341VE	DIRTY	500.00	-	500.00	
4	4	3095798	STUD	CECO	4.76		19.04	*
4	4	3818824	NUT, REGULAR HEXAGON	CECO	2.49		9.96	*

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## **OWNER**

BIGGE CRANE & RIG SERVICE 1070 BIGGE AVE SAN LEANDRO, CA 94577-RICK RUMERY - 832 405-4153

PAGE 5 OF 5

\*\*\* CCARD \*\*\*

DATE	CUSTOMER ORDER NO.	DATE IN SER	RVICE	ENGINE MODEL	PUMP NO.	EQUIP	MENT MAKE
15-MAR-2014	WARRANTY	12-FEB-20	014	QSB			GROVE
CUSTOMER NO.	SHIP VIA	FAIL DA	TE	ENGINE SERIAL NO.	CPL NO.	EQUIPA	MENT MODEL
184021		21-FEB-20	014	73549700			RT754/760
REF. NO.	SALESPERSON	PARTS D	ISP.	MILEAGE/HOURS	PUMP CODE	U	NIT NO.
256246	17538			/ 61			BE9085
QUANTITY BACK ORDERED ORDERED	OUANTITY PART SHIPPED NUMBER	DESCRIPTION		PRODUCT CODE		UNIT PRICE	AMOUNT
OSN/MSN/VIN	73549700						
			PART	S:			3,214.75
			PART	S COVERAGE CREDIT:			3,214.75C
			TOTA	L PARTS:		0.00	0,211.100
			SURC	HARGE TOTAL:		0.00	0.00
			LABO	R:			1,122.40
			LABO	R COVERAGE CREDIT:			1,122.40 CI
			TOTA	L LABOR:		0.00	1,122.1001
			MISC.	:		0.00	256.52
			MISC.	COVERAGE CREDIT:			256.52 CI
			TOTA	_ MISC.:		0.00	200.020
			MILEA	GE CHARGES - SERVICE		0.00	256.52
WARRANTIES AP	PLIED: FACTORY	FIELD SERVICE					
					LOCAL		0.00
					MTA		0.00
					STATE		0.00

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		TOTAL AMOUNT: US \$	0.00
AUTHORIZED BY (print name)	SIGNATURE	DATE	



H&E Equipment Services, Inc. 1924 2nd Street NW Albuquerque NM 87102-1455 Tel No. (800) 310-4887 Fax No. (505) 764-8103

Regional Credit Office Phone (866)322-6577 Fax (972)606-1011

# Invoice

Bill-To-Party **BIGGE CRANE & RIGGING** fdba CONTINENTAL CRANE CO 14511 INDUSTRY CIRCLE LA MIRADA CA 90638

Information

Invoice No. 91625403 Order No.

41114501

Date 04/26/2014

Customer No.

1020325

Currency

USD

Make

**GV - GROVE CRANE RT890E** 

Model Serial No.

234114

Customer Eq.

BE9085

H&E Eq. No.

10140217

**Customer Contact** 

Contact

Meter

59 0

hrs

mile

Ref Invoice no

Vega TX 79092 USA

Ship-To-Party

Complaints

**Complaint Details** 

Service call to check brakes.

Causes

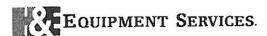
**Cause Details** 

Corrections

## **Correction Details**

Drove to jobsite and found engine warning light on, with code 249. Called factory and was told it was low coolant. Checked and found very low coolant, filled tank. Found a loose hose clamp on lower radiator and tightened it. Checked brakes many times, no problems noted and called customer about that.

BIGGE CRANE & RIGGING fdba CONTINENTAL CRANE CO



H&E Equipment Services, Inc. 1924 2nd Street NW Albuquerque NM 87102-1455 Tel No. (800) 310-4887 Fax No. (505) 764-8103 Regional Credit Office Phone (866)322-6577 Fax (972)606-1011

# Invoice

Bill-To-Party BIGGE CRANE & RIGGING fdba CONTINENTAL CRANE CO 14511 INDUSTRY CIRCLE LA MIRADA CA 90638	Information Invoice No. Order No. Customer No.	41114501 1020325	04/26/2014
Ship-To-Party BIGGE CRANE & RIGGING fdba CONTINENTAL CRANE CO Vega TX 79092 USA	Currency Make Model Serial No. Customer Eq. H&E Eq. No. Customer Contact Meter  Ref Invoice no	USD GV - GROVE CRANE RT890E 234114  10140217 act  59 hrs 0 mile	
Material Description	Quantity	Unit Price Amount	
Truck Mileage			795.00
Environmental			19.06
Shop Supplies			38.11
	Mis	cellaneous Total	852.17
Service Labor			762.20
		Subtotal	1,614.37
PLEASE REMIT TO: P.O.Box 849850		Tax	125.11



SERVICE REPORT		
Date: 9-18-14		
Customer's Name: Customer P. O	. #	
Job Location: Groom TX M/M/T: Grove KT890E	Hours: 45	58
Equipment # <u>BE9085</u> Serial # <u>234114</u>	110dis. <u>1</u>	
Describe Defects & Cause of Failure: Opdate wind meter.		
Repairs Completed: Removed Black cover and insta	lled w	ith
Qty Part Number Description	T	
Description	Ordered	Installed
Recommendations:		
0		
Technician: Bryan Venable		
ivalite:	r: Reg	
Customer Yes No D	O.T	
Copies: White: Office Pink: Customer Yellow: Technician Co	Þγ	



SERVICE REPORT						
Date: 8-10-15         Customer's Name: 8/a 4/wer       Customer P.O. #         Job Location: 5a Ve/iva       M/M/T: 6rove RT 890 E       Hours: //325         Equipment # BE 9085       Serial # 234/14       Trip Mileage						
Describe Defects & Cause of Failure:						
Repairs Completed: R.R. Outrigger value Bad  Order New Holding Value						
Oty Part Number Description Ordered Installed						
Qty Part Number Description Ordered Installed						
Recommendations:  Technician: Larry M/k, wz. e  Customer Name:  Customer Signature:  Technician: Larry M/k, wz. e  Ustomer Signature:  Yes  No  O.T.						



Established 1916

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

# CRANE and RIGGING CO.

SERVICE REPORT					
Customer's Name: Blattner Energy Customer P.O. # Job Location: Mirando City, Tx M/M/T: Grove 12T890E H  Equipment # BE 9085 Serial # Trip Mileage  Describe Defects & Cause of Failure: Instell holding valve for outrigger Jack	310 (	ône way)			
Repairs Completed: Arrive to Blattner office. Customer said they co the part due to crane being used at the moment. Left I with Customer	old ins	tall value			
Qty Part Number Description    Holding Valve - outrigger	Ordered	Installed			
Technician: Dance Cano  Customer Sean Eurs  Customer Signature:  Yes No   Yes No   Technician: Dance Cano  Yes No   Technician: Dance Cano  Yes No   Technician: Dance Cano  Yes No  Technicia					



SERVICE REPORT								
Date: 1/9/16								
Customer's Name: Bisse Equipment Customer P.O. #								
Job Location: Shop	M/M/T: Grove RT	890E	Hours: <u>1909</u>					
Equipment # <u>BF 9085</u>	Serial # 234 114	Trip M	fileage					
Describe Defects & Cause of Failure:	nake vent vendy							
Repairs Completed:  (i) adj longth veel (out of Seize dead end on au (3) straighten eab mirror (4) repaired loaks (a) torbo gaskut, replaced all of	bracket & bent s  \$ at pump, 01  2. Rings and gasket	ecket teps, require pan gasket s that had	d o/k float  3 pump Flanga  to be removed					
D. D. Warden	Description		Ordered Installed					
Qty Part Number  1 49313 6 7 54844	Description - , oil dvain		Ordered Histalied					
\$2 368 42 84 WGS	er staling		V					
Z 49342+8 Washe	st turbine gasket							
1 20666 36 CXNAC	or , roveive gosker							
Recommendations:								
- 1 M								
Technician: Joseph Oroz (3		Complete	Labor: Reg					
Customer Name:		Complete:	O.T					
Customer Signature:	163							

Copies: White: Office

Pink: Customer



Established 1916

# CRANE and RIGGING CO.

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

SERVICE REPORT		
Date: June 27th, Zolb  Customer's Name: Bigge Customer P.O. # _  Job Location: Houston Shop M/M/T: Ho  Equipment # BE 9085 Serial # 234114 Trip Mileage	ours: <u>19</u>	
Describe Defects & Cause of Failure: Trans mission failed, Burnt up  Hydralic Pump failed, Boom hose reel  hoses are bad		
Repairs Completed: Transmission was sent out to be  Tydrolic Pump was sent to be rebuilt  After Installing transmission and pun  testing of the crane, we found the ho  ascerbly was not functioning due  broken hase reel spring box.  Those reel assembly was removed  components were cleaned and a  property  New Spring box was put  with the correct tension  Tydrolic service was done  the time of transmission	to a a a seemb	led
Qty   Part Number   Description	Ordered	Installed
Customer Job Complete.	or: Reg	10hcs
Name: Yes V No Customer Signature:		

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SERVICE REPORT		
Date: 715/16		
	#	
Customer's Name: KES Customer P.O.  Job Location: Beaun OK M/M/T: Grove 890E		1004
Equipment # BE 9085 Serial # Trip Milea	ige	
Desir Desir Res lades as boss la	es seal	
Describe Defects & Cause of Failure: Blown hose on boan hose parking brake inop.	2 /21	<del></del>
Repairs Completed: Replaced dual hose on boom hose	reel,	
Repairs Completed: Replaced dual hose on boom hose  Installed & adjusted parking brake pads.		
Qty Part Number Description	Ordered	Installed
Parking brake pads		X
Parant pas		
Recommendations:		
A. sel' O clare a c		
Technician: Austin Bulmayi Lab Completon Labo	or: Reg	
Name: Yes No D		
Customer Signature:		

Copies: White: Office

Pink: Customer





SERVICE REPORT					
Date: 8-12-16  Customer's Name: 8:6  Job Location: Houston  Equipment # BE 908	9e M/M/T: 5Serial #234//		Hours: <b>2006</b>		
	and Wiper Arr				
day, the	a dehydration M. remove the Moistu week of Running system and oil to	are now	good good		
	the Main Missor	over the Safety lake	Winch h Cables achine		
Qty Part Number	Description		Ordered Installed		
Recommendations:					
Technician: \ ONY Customer Name: Customer Signature:	Joi Ye	b Complete: Lab	O.T		

Copies: White: Office

Pink: Customer





	SERVICE REPORT			
Date: 8/17/10 Customer's Name: Bigge				
Customer's Name:				
Job Location: Howston Shop	M/M/T:		Hours:	006
Job Location: Howton Shop  Equipment # BE 9085	Serial # <b>34114</b>	Trip Milea	ge	
Describe Defects & Cause of Failure:	Rent Recoly	Repair	3	
Repairs Completed:	cables Tank Case T	Cossuso	Sone	\C
,				
and h	Sindmeter co Module /ia	attached		
To get	Module /i'a	ht a	nd	
ELE Codes	created C			
			_	
Qty Part Number	Description		Ordered	Installed
Recommendations:				
Recommendations.				
Technician: Tony	7.			41
Customer Name:	Job Comp	lete: Labo	r: Reg	/ h/3.
Customer	Yes	lo 🖵	O.T	
Signature:				

Copies: White: Office

Pink: Customer

# BİGGE Established 1916 CRANE and RIGGING CO.



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

Yellow: Technician Copy

	011/11		SERV	ICE RI	EPORT	1				
100000000000000000000000000000000000000	9/11/16 omer's Name:K	2.6								
	AND REAL PROPERTY AND ADDRESS.			-		_ (	Custome	er P.O.	#	
	ocation:	7-	_ M/M/T:	Orove	RTP9	OE			Hours: 2	0389
Equip	ment # BE 908	872	Serial #	234	114		Trip	Milea	ge 230	
Descri	ibe Defects & Cause of	Failure:	hyd p	emp n	loise,	1ea1				
	Cound de coder de coder de loace	Silicon tribbe I sens	Replace e fort and fe e dung	d o-1	of 3	t pro loose hyd	Berly	Sons	sned front enter of the Cotton	fafter fose
	Ran For works as	7)=	Mo	un ting	Boll	5 (	bose	a/	Itigh	hyd Lend H
Qty		7)=	Mo	un ting	Minul	5 (	bose	a/	Itigh	hyd lend th
Qty	Ran For works as	7)=	Mo	J 45	Minul	5 (	bose	a/	I tight everything	hyd Lend H
Qty	Ran For works as	7)=	Mo	J 45	Minul	5 (	bose	a/	I tight everything	hyd lend th
Qty Comme	Part Number	7)=	Mo	J 45	Boll Minul	s les	an an	Q	I tight everything	hyd lend th
comme	Part Number	7)=	Mo	J 45	Minul	complete	an an	Q	Dright everything	hyd lend th

Pink: Customer

Conies: White: Office



Eric Sparks 11/19/16 TECHNICIAN

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

**CUSTOMER SIGNATURE** 

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

SERVICE REP	ORT			DATE:			
CUSTOMER	R Armon	d (Hammer) Falgous		TRIP MILEAGE			
CONTACT NAME & NO.	· (74111011	a (Hammer) i algodo	Eric Sparks 409-474-2636				
ADDRESS							
MAKE		MODEL 8325	East Market Street, Enid, OK, 737	101 Hours	UNIT NUMBER		
Grove		RT890E	234	114	4 BE9085		
SERVICE REQUESTE	D						
REPAIRS MADE							
Traveled to jobsite. While v			tinued removing engine covers, pi				
			with new gasket. Assembled what ned loose radiator hose that was lo				
per cummins requirments.	Reconne	cted all remaining pi	pes and reassembled all remaining	covers etc.	vitil G-05 type Anti neeze		
			junction box on reel. Mounted ree om end junction box. Zeroed the lea				
installed covers. Job comp		e connections in boo	im ena junction box. Zeroea trie lei	igth POT. And then ran	i through length calibrations		
COMMENTS							
COMMENTS							
Engine Serial Number 735	49700						
DART NUMBER	LONTY	DESCRIPTION	V-10-10-10-10-10-10-10-10-10-10-10-10-10-	INSTALLED	JORDERED		
PART NUMBER 5265354		(Tube Drain)			1		
5264568	3 1	Gasket			1		
9333103773	1	Cable			1		
	1 1 11	-					
		riger .					
		-					
	-						





	SERVICE REPORT	
Date: 63/17/17		
Customer's Name: Bay	Customer P.O.	
Job Location: Corpus Bay Tan	d M/M/T: RT290E Graves	Hours: <u>2568</u>
Equipment # BE 9085	Serial # 234/14 Trip Milea	ge
Describe Defects & Cause of Failure: _	Swing Issues	
	ne up, had operator run beds. Could Not Duplicate of I Ohmed then, they tested G ne myself, Got Oil up to op and forth. act. For Couple his	
Not get it to ac	t up.	
Qty Part Number	Description	Ordered Installed
Recommendations:		
Technician: Brian Star	als a 11	
Customer		or: Reg
Name: Customer	Yes You	O.T
Signature:		

Copies: White: Office

Pink: Customer





	SERVICE REPORT	
Date: <u>5-13-17</u> Customer's Name: <u>Bay</u>	Customer P.O. #	. 7700
Job Location: Corpus Christi,	Tx M/M/T: Grove RT 8905	lours: 2700
Equipment # <b>BE 9085</b>	Serial # <b>_234114</b> Trip Mileage	208
Describe Defects & Cause of Failure:	Alc blowing hot	
Repairs Completed: Arrived to System. Expansion Value Valve, Changed drier high Side fitting. Va Cold.	location of crane, found Alc blowing we needed to be replaced. Remove an and Condensor due to damaged three accounts system and charged with free	hot, the dinstall new ads on the mr. Alc blowing
-		Ordered Installed
Qty Part Number	Description	Ordered Installed
	xpansion valve Drier	V
/ 7135 Ald	densor	V
	ssure Switch	
Recommendations:  Technician: Daniel Canto		
Customer Customer	H 44872x Job Complete.	or: Reg
Name:	Yes You	O.T
Customer Signature:		

Copies: White: Office

Pink: Customer





	SERVICE REPORT		
Date: 6/6/17			
Customer's Name: Bey	Customer P.O.	#	14
Job Location: Jumbo, Cor	PUS M/M/T: RT 990E	Hours: 2	941
Equipment # BE9085	Serial # <u>234/14</u> Trip Milea	ge	
Describe Defects & Cause of Failu	re: Hose Reel tone up.		
Repairs Completed: Replace	ce Hoses on Hose, Reel		
Qty Part Number	Description	Ordered	Installed
1	3 Pack 2 Pack		
Recommendations:			
Technician: Brisn 5	tarkell		
Customer DarRey	Job Complete: Laborated No D	or: Reg	
Customer Signature: Daniel In	100 = 110 =		

Copies: White: Office

Pink: Customer



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

Richmond, VA 804-271-9356 Houston, TX 713-434-0995

**TOLL FREE** 888-337-2444

SERVICE REPORT			DATE:	6/5/2019	
CUSTOMER	Mor	tenson	TRIP MILEAGE		
CONTACT NAME & NO.					
ADDRESS		Ponca Nebraska Yard			
MAKE	MODEL	SERIAL NUMBER	HOURS	UNIT NUMBER	
GROVE	RT890E4	234114	4213	BE9085	

# SERVICE REQUESTED Pump drive idler gear failure and customer damages All work performed May 20th - May24th and June 1st- June 5th

### REPAIRS MADE

do off rent. Locate portable hyd power set and haul over to crane. Go to hydraulic shop and get adapter Hoses to connect to the outriger and set up the crane level and stabilized and boom up the crane and swing it over using the hydraulic power set. Started process of pulling the engine. finished removing the engine and then remove torque converter and all the damaged components including the charge pump. install new charge pump and Install new bearing in new idler gear and install gear into pump drive and charge pump regulator with new shaft seal and gaskets and o-rings. Clean out metal shavings from the damage then install torque convertor and flex plates. Clean bell housing stud threads And bell housing mating surface. Repair left hand side engine wiring harness where wiring loom had melted off from three sections of wiring. Travel to hotel and pick up parts that arrived total of seven boxes. Travel back to job site. Replace engine water pump and fan hub bearing. Install engine back in frame. Connect wiring and hoses. Test run engine. Installed new belt, install radiator, install fan and remaining parts. Filled cooling system then ran and tested. Installed new o-ring and pump primed without issue and steering and swing work. Do pm service and replace ALL filters. Install new anemometer Install RF corner mirror. Diagnose engine fault code 1896 and disassembled and repaired EGR servo motor. (Was jammed due to rust). Performed ReGen to burn out soot from egr being stuck open. Adjusted parking brake Top off hydraulic oil and do pressure setting procedures. repair engine hood hinges with new hardware, replace wipers, hang a2b weights and install hair pins where missing. inflate all tires to 60 psi, replaced latches on three outrigger pads

COMMENTS where needed and cut off and welded on a new latch pad eye on one. Remove broken windshield and install new one. Pull vacuum and charge a/c. Remove right rear access ladder and straighten out all of the bends in all of the sheet metal and steps and reattach. Wash crane. Run crane and make sure there are no leaks and that all functions work properly. Had to reset length potentiometers and calibrate boom length.

PART NUMBER	QNTY	DESCRIPTION
GRV 9576101347	2	wiper
GRV 90019453	1	air filter
GRV 90019454	1	air filter
GRV 90024700	1	fuel filter
GRV 90019746	1	belt, serp.
GRV 7576001157	1	pantograph, for skylight wiper
GRV 9258100173	1	breather
GRV 9437100849	1	hyd filter
LF3970	1	oil filter
GRV 9414101770	1	transmission suction strainer filter
GRV 7473000873		trans filter
GRV 90000996	1	shaft, pivot

**ERIC SPARKS** 

**TECHNICIAN** 

**CUSTOMER SIGNATURE** 



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

Auburn, WA

Richmond, VA 804-271-9356 Houston, TX 713-434-0995

**TOLL FREE** 888-337-2444

SERVICE REPORT			DATE:	6/5/2019		
CUSTOMER	Mor	tenson	TRIP MILEAGE			
CONTACT NAME & NO.						
ADDRESS		Ponca Nebraska Yard				
MAKE	MODEL	SERIAL NUMBER	HOURS	UNIT NUMBER		
GROVE	RT890E4	234114	4213	BE9085		

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PART NUMBER	QNTY	DESCRIPTION
3996844	1	bearing, roller (fan hub)
5473237		water pump kit
80023256		exhaust flex pipe
90014203	1	101 tooth idler gear (in pump drive housing)
90018721	1	charge pump
90014263		charge pump regulator
9904110197		gasket, charge pump regulator
9356100596		gasket, charge pump
9904107753		bearing, front (101 tooth idler gear)
9904109897		retainer ring (101 tooth idler gear))
9904103753	1	Oil Seal, Charge pump

ER	C	SI	ΣΔ	RI	۲)

**TECHNICIAN** 

**CUSTOMER SIGNATURE** 



# **PM Service Report**

## **Job-Site/Customer Information**

Date of PM	09-06-2019
Job#	ldk
Customer Name	Mortenson
Customer Location	https://www.google.com/maps/search/?query=42.40522,-95.49701&query_place_id=EikyMDY3IEluZGlhbiBBdmUsIElkYSBHcm92ZSwgSUEgNTE0NDUsIFVTQSlbEhkKFAoSCQtQiELrnZKHER_8iXiL2pCIEJMQ&api=1&hl=enCurrent Location: 2067 Indian Ave, Ida Grove

## **Equipment Information**

Equipment information	
Equipment #:	BE9085
Make	Grove
Model	RT890E
Serial #	234114
<b>Equipment Hours</b>	4399
Hour Meter	QUARTZ



## **Type of Service**

Type of Service	
PM Type	500 Hr
	42.405211, -95.497008
Repairs Completed:	Yes
Photos of New Filter w/Date	Pectuary



# **PM Service Report**

|--|--|

09-06-2019 09:31 AM

## **Parts Used/Ordered**

Engine Oil	Installed
Gallons:	5

## **Acknowledgement:**

Acknowledgement.	
Job Completed	Yes
Bigge Technician:	Travis Vincent
Acknowledgment	I agree that the information in this PM Service report is accurate and true. By checking yes I agree that the type of service completed was done per the manufacturer's recommendations.  Thank You
Signature	
Customer Representative:	Allen kinney
Acknowledgment	I agree that, to the best of my knowledge, the service performed was completed as indicated on this PM Service Report.  Thank You
Signature	Ahn komet



# **PM Service Report**

## **Form Locations**

