

### SERVICE REPORT

Date: 10-1-14

Customer's Name: Bigge Crane & Rigging

Customer P. O. # \_\_\_\_\_

Job Location: Bigge Shop

M/M/T: Grove RT9150

Hours: 1859

Equipment # BE 150101

Serial # 233663

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: replaced All 4 Batteries on 24v system

Qty	Part Number	Description	Ordered	Installed
4	1131MF	Batteries 24v set up		✓

Recommendations: \_\_\_\_\_

Technician: Brian Carroll

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_ Labor: Reg \_\_\_\_\_

Yes ☒ No ☐ O.T. \_\_\_\_\_

**H&E Equipment Services, Inc.**  
**1700 South Sam Houston Parkway West**  
**Houston TX 77047-6312**  
**Tel No. (877) 321-5249**  
**Fax No. (713) 433-3981**

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

# Invoice

<b>Bill-To-Party</b> BIGGE CRANE AND RIGGING COMPANY ACCOUNTS PAYABLE PO Box 1657 SAN LEANDRO CA 94577	<b>Information</b> <b>Invoice No.</b> 91777106 <b>Date</b> 08/15/2014 <b>Order No.</b> 41193032 <b>Customer No.</b> 1014390 <b>PO No.</b> RICK RUMERY <b>Currency</b> USD <b>Make</b> GV - GROVE CRANE <b>Model</b> RT9150 <b>Serial No.</b> 233663 <b>Customer Eq.</b> BE150101 <b>H&amp;E Eq. No.</b> 10124959 <b>Customer Contact</b> <b>Contact</b> <b>Meter</b> 1851      hrs 0      mile <b>Ref Invoice no</b>
<b>Ship-To-Party</b> BIGGE CRANE AND RIGGING COMPANY  Houston TX 77047 USA	
<b>Complaints</b>	
<b>Complaint Details</b>	
ECOS errors.	
<b>Causes</b>	
<b>Cause Details</b>	
<b>Corrections</b>	
<b>Correction Details</b>  Travel to the job. Started to check the errors and found the EKS reel had been removed. Will need to come back after the reel has been installed to further troubleshoot the problem.  7/18 Customer called and said they have the reel and would like us to install. Travel to jobsite. Tested the used reel before installing it and found to be shorted. Ordered a new reel.  07/24 Travel to the job. Installed the new inner length reel and zeroed reel out. Ran boom to test and the reel cable is not stacking correctly.	

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# Invoice

**Bill-To-Party**

BIGGE CRANE AND RIGGING COMPANY  
ACCOUNTS PAYABLE  
PO Box 1657  
SAN LEANDRO CA 94577

**Information**

<b>Invoice No.</b>	91777106	<b>Date</b>	08/15/2014
<b>Order No.</b>	41193032		
<b>Customer No.</b>	1014390		
<b>PO No.</b>	RICK RUMERY		
<b>Currency</b>	USD		
<b>Make</b>	GV - GROVE CRANE		
<b>Model</b>	RT9150		
<b>Serial No.</b>	233663		
<b>Customer Eq.</b>			
<b>H&amp;E Eq. No.</b>	10124959		

**Customer Contact**

<b>Contact</b>			
<b>Meter</b>	1851	hrs	
	0	mile	

**Ref Invoice no****Ship-To-Party**

BIGGE CRANE AND RIGGING COMPANY  
  
Houston TX 77047  
USA

Material	Description	Quantity	Unit Price	Amount
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Adjusted the reel and ran boom out, checked length of ECOS to EKS.  
Checked good, travel from job.



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# Invoice

<b>Bill-To-Party</b> BIGGE CRANE AND RIGGING COMPANY ACCOUNTS PAYABLE PO Box 1657 SAN LEANDRO CA 94577		<b>Information</b> <b>Invoice No.</b> 91777106 <b>Date</b> 08/15/2014 <b>Order No.</b> 41193032 <b>Customer No.</b> 1014390 <b>PO No.</b> RICK RUMERY <b>Currency</b> USD <b>Make</b> GV - GROVE CRANE <b>Model</b> RT9150 <b>Serial No.</b> 233663 <b>Customer Eq.</b> <b>H&amp;E Eq. No.</b> 10124959 <b>Customer Contact</b> <b>Contact</b> <b>Meter</b> 1851      hrs 0      mile <b>Ref Invoice no</b>	
<b>Ship-To-Party</b> BIGGE CRANE AND RIGGING COMPANY  Houston TX 77047 USA			
<b>Material</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit Price    Amount</b>
GK03155917	CABLE DRUM	1 EA	7,392.47      7,392.47
			<b>Parts Total</b> 7,392.47
	Truck Mileage		42.00
SERV_FREIGHT	FREIGHT IN	1 EA	496.30      496.30
	Environmental		18.38
	Shop Supplies		36.75
			<b>Miscellaneous Total</b> 593.43
Service Labor			735.00
<b>PLEASE REMIT TO:</b> H&E EQUIPMENT EXCHANGE LLC P.O.Box 849850 Dallas TX 75284		<b>Subtotal</b> 8,720.90 <b>Tax</b> 719.47 <b>Total Amount</b> 9,440.37	

See reverse side for Terms and Conditions.  
Tax includes all applicable state, local, and miscellaneous surcharges.





## EQUIPMENT SERVICES

www.HE-equipment.com

## SERVICE REPORT

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☐ BIRMINGHAM, AL — (205) 661-1323

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

BE150101

PURCHASE ORDER NO. \_\_\_\_\_

EMPLOYEE NO. 10007-14

MACHINE MAKE <u>Hydrex</u>	MODEL <u>219150G</u>	SERIAL NO. <u>233663</u>	DATE <u>10-14-14</u>	JOB NO.
OWNER <u>Bigge</u>		USER		
LOCATION <u>Quartz Yard</u>		MACHINE SET-UP		HOURLY METER <u>1867</u>

## WORK REQUESTED

## WORK PERFORMED

Arrive to job. Check BCOS error code 4.6.1.0.  
Ohm ran at 32.53 from CSX3 - good at 60 Ohms, ohm  
1 ohm & 1 ohm identification resistor - 1 ohm - at 1.33 ohm,  
remove resistor & clean blade of resistor - Reinstall  
& check - checked good.

Long P. Stone

## FOR INTERNAL USE ONLY:

FL

SL

HL

GL

OTHER

DATE	MILEAGE		HOURS WORKED		LUNCH TIME		TOTAL HRS	TECHNICIAN HOURS		HOLIDAY
M / D / Y	TO	FROM	START	END	START	END		REGULAR	OVERTIME	
SAT / /										
SUN / /										
MON / /										
TUE <u>10/14/14</u>	<u>2</u>	<u>2</u>	<u>7:00</u>							
WED / /										
THURS / /										
FRI / /										
TOTAL MILEAGE							TOTAL HOURS			

FORM HE-CDSR

Tom  
 CUSTOMER SIGNATURE

10-14-14  
 DATE

R. Stone  
 SERVICE TECHNICIAN SIGNATURE

10-14-14  
 DATE

**H&E Equipment Services, Inc.**  
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**Regional Credit Office**  
Phone (844)298-0838  
Fax (281)821-4664

# Invoice Preview

<b>Bill-To-Party</b> BIGGE CRANE AND RIGGING COMPANY ACCOUNTS PAYABLE PO Box 1657 SAN LEANDRO CA 94577	<b>Information</b> <b>Invoice Preview No.</b> 70258430 <b>Order No.</b> 41281416 <b>Customer No.</b> 1014390 <b>PO No.</b> <b>Currency</b> USD <b>Make</b> GV - GROVE CRANE <b>Model</b> RT9150 <b>Serial No.</b> 233663 <b>Customer Eq No.</b> BE150101 <b>H&amp;E Eq No.</b> 10124959 <b>Customer Contact</b> <b>Contact Phone</b> <b>Meter</b> 1867 hrs 0 mile
<b>PO date</b>	
<b>Ship-To-Party</b> BIGGE CRANE AND RIGGING COMPANY PO Box 1657 Houston TX 77047	
<b>Complaints</b>	
<b>Complaint Details</b> ECOS error code, will not start.	
<b>Causes</b>	
<b>Cause Details</b>	
<b>Corrections</b>	
<b>Correction Details</b> 10/14 Travel to the job. Checked the ECOS error code 4.6.1.0 and ohmed can at 33 and 53 from ESX3, checked good at 60ohms. Ohmed 4 and 1 ohm identifier resistor and 1 ohm at 1.33 ohm. Removed the resistor and cleaned blades of resistor. Reinstalled and tested, checked good. Travel from the job.	



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# Invoice Preview

Material	Description	Quantity	Unit Price	Amount
Truck Mileage				12.00
Environmental				6.69
Shop Supplies				13.38
	<b>Miscellaneous Total</b>			32.07
Service Labor				262.50

**Subtotal** 294.57**Tax** 24.30**Total Amount** 318.87**Conditions**

This is SAMPLE INVOICE only. Do not pay.

**Customer Signature** \_\_\_\_\_ **Date** \_\_\_\_\_**Title** \_\_\_\_\_ **PO Number** \_\_\_\_\_



### SERVICE REPORT

Date: 10-14-14  
 Customer's Name: Bigge Customer P. O. # \_\_\_\_\_  
 Job Location: CHART M/M/T: Grove RT 9150 E Hours: 1867  
 Equipment # BE 150101 Serial # 233683

Describe Defects & Cause of Failure: Wont Start

Repairs Completed: Error Code 4.6.1.0

T/S Found ESX 3 Identifier Resistor w/ corrosion

Clean & Test

Crane OK

11:30 AM - 3:30 PM

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Larry McGuire

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete: Labor: Reg \_\_\_\_\_

Yes ☒ No ☐ O.T. \_\_\_\_\_

### SERVICE REPORT

Date: 12-11-14

Customer's Name: Buckner

Customer P. O. # \_\_\_\_\_

Job Location: Dille, TX

M/M/T: RT9150E

Hours: 202

Equipment # BE150101

Serial # 223663

486 miles.

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed:

Tele cylinder pin stuck in unlock position  
lock cylinder pin in emergency mode. Tele operation working  
properly. Repair hyd. leak on R/R O/R connections.

\* need to order hood latch and operator cab was  
damaged in transport, (crane star damage, handrail, and top window  
slide.

Job# 41-01-57125

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: \_\_\_\_\_

Customer  
Name: John A. Manzanarez

Customer  
Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

# BIGGE

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**CRANE and RIGGING CO.**

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

## SERVICE REPORT

Date: 1-12-13  
Customer's Name: Adelphi Customer P.O. # \_\_\_\_\_  
Job Location: Delly TX M/M/T: Grove RT 950 Hours: 2169  
Equipment # BE150101 Serial # 233663 Trip Mileage 650

Describe Defects & Cause of Failure: A2B & Jib not working

Repairs Completed: TS ~~that~~ erection of jib found Dummy plug on 36' extension not installed

TS & luff jib not working. Check Electrical Circuits found 2 amp fuse (F2/1) blown.

Replace And Test

Found that Customer Plugged and unplugged Electrical connection with power on

Qty	Part Number	Description	Ordered	Installed

Recommendations: power must be off when plug and unplug all Electrical connections

Technician: Larry McKinzie

Customer Name: Kevin Bolger

Customer Signature: Xen Bu

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

Copies: White: Office

Pink: Customer

Yellow: Technician Copy



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## SERVICE REPORT

Date: 3-6-15

Customer's Name: Adelphi

Customer P.O. # \_\_\_\_\_

Job Location: Dilley, Tx

M/M/T: Grove BT9150

Hours: 2476

Equipment # BE150101

Serial # 233663

Trip Mileage 275 (one way)

Describe Defects & Cause of Failure: Service

Repairs Completed: Arrived to location of crane, Serviced ~~engine~~ engine. Removed and replaced oil, air, fuel filters. Greased boom.

Qty	Part Number	Description	Ordered	Installed
1	FF5636	Fuel filter		✓
1	9414101770	Fuel/water sep. filter		✓
1	90019893	oil filter / 15w40 oil		✓
1	AF55015VE / AF55309	Air Filters		✓

Recommendations: \_\_\_\_\_

Technician: DANIEL C.

Customer  
Name: \_\_\_\_\_

Job Complete:

Labor: Reg \_\_\_\_\_

Customer  
Signature: \_\_\_\_\_

Yes ☒ No ☐

O.T. \_\_\_\_\_

Copies: White: Office

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## Invoice Preview

<b>Bill-To-Party</b> BIGGE CRANE AND RIGGING COMPANY ACCOUNTS PAYABLE PO Box 1657 SAN LEANDRO CA 94577	<b>Information</b> Invoice Preview No. 70289334 Order No. 41476332 Customer No. 1014390 PO No. Currency USD <b>PO date</b> Make GROVE Model RT9150E Serial No. 233663 Customer Eq No. BE150101 H&E Eq No. Customer Contact Contact Phone Meter
<b>Ship-To-Party</b> BIGGE CRANE AND RIGGING COMPANY PO Box 1657 Dilley TX 78017	
<b>Complaints</b>	
<b>Complaint Details</b>	
<b>Causes</b>	
<b>Cause Details</b>	
<b>Corrections</b>	
<b>Correction Details</b> 04/27 Travel to the job. Found no errors on ECOS but EKS has error 3.3.3. Set tele status on ECOS and EKS error went away started telescoping T1 in. ECOS error 13.6.0.0 came up. Checked wiring harness and cable reel. Can buss & voltage, checked OK. Checked fuses and found bridge for fuse F6 to F7 lose and feel out when panel was open. Reinstalled Bridge and ran crane. Found no errors on EKS or ECOS. Had the operator telescope boom multiple times and found no error codes. Travel to the hotel.  04/28 Travel back to Houston.	



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# Invoice Preview

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## CRANE and RIGGING CO.

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

### SERVICE REPORT

Date: 6-3-5-15

Customer's Name: CBI

Customer P.O. # \_\_\_\_\_

Job Location: 31630154th Portland TX

M/M/T: Grove 9150 E

Hours 2804

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed:

Removed Conductor LAN And Replaced  
Tighten AC Belt Rechanged 5x5x6 And Checked  
FOR LEAKS (ALL OK)

6-3-15- 3:30-5:00

6-5-15 12:00-1:30

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>WAL8-BP15/C-41A 24 V</u>	<u>Conductor LAN</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Jerry Hillary

Customer Name: \_\_\_\_\_

Job Complete:

Labor: Reg \_\_\_\_\_

Customer Signature: Jerry Hillary

Yes ☐ No ☐

O.T. \_\_\_\_\_

6-5-2015

Copies: White: Office

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Yellow: Technician Copy

### SERVICE REPORT

Date: 7-31-15

Customer's Name: CB + I

Customer P.O. # \_\_\_\_\_

Job Location: Gregory, Tx

M/M/T: Grove RT9150E

Hours: 3125

Equipment # BE150101

Serial # 233663

Trip Mileage 195 (one way)

Describe Defects & Cause of Failure: Telescope issues

Repairs Completed: Arrive to location of crane. Section 5 was out 50% and pins were stuck. Had to manually retract section and recalibrate boom. Will have to call dealer to reset length reels with proper software.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: DANIEL C.

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Yes ☐ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



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# Invoice Preview

<b>Bill-To-Party</b> BIGGE CRANE AND RIGGING COMPANY ACCOUNTS PAYABLE PO Box 1657 SAN LEANDRO CA 94577	<b>Information</b> Invoice Preview No. 70305896 Order No. 41579944 Customer No. 1014390 PO No. <span style="float: right;">PO date</span> Currency USD Make GV - GROVE CRANE Model RT9150 Serial No. 233663 Customer Eq No. BE150101 H&E Eq No. 10124959 Customer Contact Contact Phone Meter 3102 hrs 0 mile
<b>Ship-To-Party</b> BIGGE CRANE AND RIGGING COMPANY PO Box 1657 Ingleside TX 78362	
<b>Complaints</b>	
<b>Complaint Details</b>	
Boom section is stuck error code 1 34 2	
<b>Causes</b>	
<b>Cause Details</b>	
<b>Corrections</b>	
<b>Correction Details</b>	
08/01 Travel to the job. Found error code is present on EKS and checked reels EKS reel on back of boom wire stacking. Nut on reel lose causing cable to stack, adjusted reel and tighten nuts down. Had operator run cylinder in and out for me adjustment is good cable is not stacking. Travel from the job.	





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# Invoice Preview

[illegible]

# BIGGE

Established 1916

**CRANE and RIGGING CO.**

14800 Jersey Shore Dr.  
Houston, TX 77047  
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## SERVICE REPORT

Date: 10-17-15

Customer's Name: C B & I

Customer P.O. # \_\_\_\_\_

Job Location: Portland Tx

M/M/T: Grave 9150 E

Hours: 3713

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: 500hr Service

Repairs Completed: Replace lube oil approx 7gal 15w-40

Lube Filter: LF9548

Fuel Filter

Water Sep: FS1065

Air: AF55015 / AF55309

grease Crane

check gear oils / hyd oil

look over Crane

Qty	Part Number	Description	Ordered	Installed

Recommendations: next service @ 4213

Technician: Hornby, Janellyn, Tony

Customer Name: Frank Rick

Customer Signature: Frank Rick

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

Copies: White: Office

Pink: Customer

Yellow: Technician Copy

# BIGGE

Established 1916

**CRANE and RIGGING CO.**

14800 Jersey Shore Dr.  
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## SERVICE REPORT

Date: 11-11-15

Customer's Name: CB + I

Customer P.O. # \_\_\_\_\_

Job Location: Oxy Ingle side M/M/T: 150 Grove Hours: 3869

Equipment # BE 150101 Serial # 233663 Trip Mileage 340

Describe Defects & Cause of Failure: Ayd leak, bad hose

Repairs Completed: Replace hose

Qty	Part Number	Description	Ordered	Installed
<u>1</u>		<u>hose</u>		<u>X</u>

Recommendations: \_\_\_\_\_

Technician: James Smith

Customer Name: CB + I

Customer Signature: [Signature]

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

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Yellow: Technician Copy





Established 1916  
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14800 Jersey Shore Dr.  
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## SERVICE REPORT

Date: 03-21-16

Customer's Name: C.B. & J.

Customer P.O. # \_\_\_\_\_

Job Location: Corpus

M/M/T: Grove RT9150

Hours: 4768

Equipment # BE 150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Repairs Completed: 500 HRS Service Change oil Change oil Filters  
Fuel Filters Air Filters Hydraulic Filters

2 x HF6586 Hydraulic Filters

Qty	Part Number	Description	Ordered	Installed
1	AF55309	Sec Air Filter		✓
1	AF550015	Prim Air Filter		✓
1	FS 1065	Fuel Filters		✓
1	FF 5488	Fuel Filters		✓

Recommendations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer Not Available

Technician: Daniel Mike Austin

Customer Name: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

Customer Signature: \_\_\_\_\_

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Pink: Customer

Yellow: Technician Copy





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

### SERVICE REPORT

Date: 4-22-16

Customer's Name: Performance Co

Customer P.O. # \_\_\_\_\_

Job Location: Bayleside

M/M/T: RT 9150

Hours: 4870

Equipment # BE 150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: 500HR Service Change oil Change  
oil Filter Change Fuel Filters Air Filters

Qty	Part Number	Description	Ordered	Installed
1	LF3970	oil Filter		✓
1	FF5632	Fuel Filter		✓
1	FS 1065	FUEL/WATER Separator		✓
1	AF55015	Air Filter		✓
1	AF55209	Air Filter inner		

Recommendations: \_\_\_\_\_

Technician: Daniel Sweeza

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



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☐ BIRMINGHAM, AL — (205) 661-1323

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

BE150101

PURCHASE ORDER NO. \_\_\_\_\_

EMPLOYEE NO. \_\_\_\_\_

MACHINE MAKE <i>Croce</i>	MODEL <i>RT7150</i>	SERIAL NO. <i>233463</i>	DATE <i>4/23/16</i>	JOB NO.
OWNER <i>Biggie</i>	USER <i>Performance Cont</i>			
LOCATION <i>Ingle Side TX</i>	MACHINE SET-UP			HOURLY METER <i>4871</i>

## WORK REQUESTED

## WORK PERFORMED

Travel to job. Checked Error Code Faults for  
Tel-connection Removed old EKS Reel.  
Installed new EKS Reel. Ran Boom no Error  
Codes. Travel from job

## FOR INTERNAL USE ONLY:

FL

SL

HL

GL

OTHER

DATE M / D / Y	MILEAGE		HOURS WORKED		LUNCH TIME		TOTAL HRS	TECHNICIAN HOURS		HOLIDAY
	TO	FROM	START	END	START	END		REGULAR	OVERTIME	
SAT <i>4/23/16</i>	<i>2411</i>		<i>8:30 AM</i>							
SUN										
MON										
TUE										
WED										
THURS										
FRI										
TOTAL MILEAGE							TOTAL HOURS			

FORM HE-CDSR

CUSTOMER SIGNATURE

DATE

SERVICE TECHNICIAN SIGNATURE

DATE





### SERVICE REPORT

Date: 9-13-16

Customer's Name: \_\_\_\_\_

Customer P.O. # \_\_\_\_\_

Job Location: HOUSTON SHOP M/M/T: GROVE RT 9150 Hours: 5106

Equipment # BE150101 Serial # 233663 Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: CUT BAD END OFF AUX. WIRE ROPE & BRAZE.  
PUT NEW AZB WEIGHT. PUT LUBE ON OUTRIGGER JACKS  
& CENTER BEARING. GREASE UPPER, LOWER CRANE & BOOM  
SECTIONS. BLOW DIRT FROM RADIATOR, HYD. COOLER,  
A/C CONDENSOR & FILTERS. CHECKED ALL FLUID LEVELS.  
PUT MIRRORS ON WINCHES. PUT KEEPER IN CABLE BAR ON  
BLOCK. SERVICED BATTERIES. REPLACED KEEPER IN AUX.  
LATCH, PAINT BALL. CRANE WAS WASHED & DETAILED.

LAST PM 4870 HOURS  
ON 4-22-16

Qty	Part Number	Description	Ordered	Installed
<u>2</u>	<u>2255928</u>	<u>MIRRORS</u>	<u>✓</u>	<u>✓</u>
<u>1</u>	<u>02217115</u>	<u>MIRROR ASSEMBLY</u>	<u>✓</u>	<u>✓</u>
<u>4</u>	<u>80027210</u>	<u>PIN</u>	<u>✓</u>	<u>✓</u>

Recommendations: \_\_\_\_\_

Technician: CHARLES MADDEN

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:

CUSTOMER burkhalter		TRIP MILEAGE 115		
CONTACT NAME & NO.				
ADDRESS				
MAKE grove	MODEL rt9150e	SERIAL NUMBER	HOURS	UNIT NUMBER be150101

SERVICE REQUESTED

REPAIRS MADE
unload trucks installed both outrigger boxes and install both upper counter weights drive back to plaquimine
5:30 to 7:00 drive to job site
7:00 to 11:30 install outriggers and counter weights
12:00 to 1:00 drive back to plaquimine

COMMENTS

PART NUMBER	QNTY	DESCRIPTION	INSTALLED	ORDERED

christopher roberie 9-22-16 1 of 2  
TECHNICIAN

CUSTOMER SIGNATURE

### SERVICE REPORT

Date: 11-17-17

Customer's Name: \_\_\_\_\_

Customer P.O. # \_\_\_\_\_

Job Location: HOUSTON SHOP

M/M/T: GROVE RT 9150E

Hours: 5613

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: P.M. SERVICE. INSTALL MIRROR & BRACKET ON BOTH WINCHES. WELD TIE BACK HOOKS IN FRONT OF CRANE. PUT A2 BLOCK ON DEAD SIDE OF CABLE. BLEW OUT DIRT FROM RADIATOR, A/C CONDENSOR, HYD. COOLER, & FILTERS. CHECKED ALL FLUID LEVELS. PUT UPDATED FIRE EXTINGUISHER IN CAB. GREASE UPPER, LOWER CRANE & BOOM SECTIONS. PUT KEEPER IN AUX. LATCH. CRANE WAS WASHED & DETAILED.

P.M. SERVICE 11-16-16 @ 5613 HOURS

1	9258100173	BREATHER FILTER	✓	✓
1	2071	WATER FILTER	✓	✓
Qty	Part Number	Description	Ordered	Installed
1	51744	OIL FILTER	✓	✓
1	AF55015	AIR FILTER	✓	✓
1	AF55309	AIR FILTER	✓	✓
1	FS1065	FUEL SEP FILTER	✓	✓
2	FF5636	FUEL FILTER	✓	✓
	GS86	HYD FILTER	✓	✓

Recommendations: \_\_\_\_\_

Technician: C. MADDEN, D. SWEAZA.

Customer Name: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Labor: Reg \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Yes ☒ No ☐

O.T. \_\_\_\_\_



### SERVICE REPORT

Date: 12/9/14  
Customer's Name: KBR Customer P.O. # \_\_\_\_\_  
Job Location: Freeport M/M/T: Grave 9150E Hours: 5670  
Equipment # BE156101 Serial # \_\_\_\_\_ Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: Active codes related to boom length reel; crane had no functions

Repairs Completed: Manually scoped crane all the way in and boomed down. Inspected connections on reels - all looked good.

After booming down & scoping in the codes went away & machine began to function normally. Tested crane & found no more issues.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Austin Burkhart

Customer Name: \_\_\_\_\_

Customer Signature: D. McE

Job Complete:  
Yes ☐ No ☐

Labor: Reg \_\_\_\_\_  
O.T. \_\_\_\_\_





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### SERVICE REPORT

Date: 12/14/16

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Clute TX

M/M/T: Crane RT9150E

Hours: 5704

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: faults during tele in operation

Repairs Completed: Confirmed problem, happens typically when @ section 4/5  
When boom is rolling in, suspended cable @ reel on side of boom to check  
connections. Connector "XB" loose due to worn out lock collar. Ripped up  
to hold good connection. Tested crane tele no faults have occurred.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Joseph Orozco

Customer Name: Dan McCombs

Customer Signature: [Signature]

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



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### SERVICE REPORT

Date: 2/1/17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Clute TX

M/M/T: Grove RT9150E

Hours: 5937

Equipment # BE150101

Serial # 933663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: aux drum cable loose.

Repairs Completed: Unspooled aux drum w/ block @ 4 parts and ran back on drum & make sure spooled correctly. Swapped drums again put ball on rear and block back on front with block (4 parts). also checked a/c system recharged & shut off water valves to stop coolant flow through evap.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Joseph Orzco

Customer Name: James Neyland

Customer Signature: [Signature]

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





### SERVICE REPORT

Date: 2/15/17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport TX

M/M/T: Grove RT 9150 E

Hours: 5994

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: Engine Fault 3256

Repairs Completed: Fault Related to DPF states that output temp invalid checked connection @ sensor, replaced sensor forced regen machine. after regen logged fault went away

Qty	Part Number	Description	Ordered	Installed
1	2872468	temp sensor		<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Joseph Grisco

Customer Name: Paul Gyllman

Customer Signature: Paul Gyllman

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





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## SERVICE REPORT

Date: 3-20-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport, TX

M/M/T: RT 9150E Grove

Hours: 6171

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Replace right hand joystick  
Horn & speed control buttons inop.

Repairs Completed: \_\_\_\_\_

Replace right hand joy stick & test. All functions  
test & check good.

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>03078546</u>	<u>manipulator control / joy stick</u>	<u>X</u>	<u>X</u>

Recommendations: \_\_\_\_\_

Technician: \_\_\_\_\_

Bradley Lick

Customer Name: \_\_\_\_\_

KBR.

Customer Signature: \_\_\_\_\_

[Signature]

Job Complete: \_\_\_\_\_

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

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### SERVICE REPORT 10-14-008011

Date: 4-7-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: CLute

M/M/T: Grove 9150E

Hours: 6.308

Equipment # BE 150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: 500HR Service

Repairs Completed: 500HR Service Change oil change oil Filter  
Fuel Filter Air Filter  
Grease Boom

1x 2071WF Water Filter  
1x 3682 Fuel Filter

Qty	Part Number	Description	Ordered	Installed
1	LF 9005	Lube Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	FS 1065	Fuel Water Sep	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	AF 55309	Inner Air Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	AF 55015	Outer Air Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Daniel Swenson

Customer Name: Paul Gylla

Customer Signature: Paul Gylla

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





### SERVICE REPORT

Date: 5/2/17

Customer's Name: KDR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport TX

M/M/T: Grove RT 9150 E

Hours: 6427

Equipment # BE50101

Serial # 238663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: a/c not blowing.

Repairs Completed: a/c fan not blowing efficiently. replaced fan motor & tested fan blows cooling. cel.

Qty	Part Number	Description	Ordered	Installed
1.	9515220145	blower motor	✓	✓

Recommendations: \_\_\_\_\_

Technician: Juan Garcia

Customer Name: Juan Saez

Customer Signature: Juan Saez

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





**SERVICE REPORT**

Date: 6-8-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport, TX

M/M/T: GROVE 9150E

Hours: 6685

Equipment # BE150101

Serial # \_\_\_\_\_

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: @ Out rigger sensor hop

Repairs Completed: verified old sensor is bad & replace with new one.  
Every thing test & checks good.

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>80066601</u>	<u>Out rigger length reel</u>	<u>✓</u>	<u>✓</u>

Recommendations: \_\_\_\_\_

Technician: Bradley Wick

Customer Name: KBR

Customer Signature: Paul Bellum

Job Complete: \_\_\_\_\_

Yes ☐ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



**SERVICE REPORT**

Date: 6-12-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport, TX

M/M/T: Grove RT 9150 E

Hours: 6697

Equipment # BE150101

Serial # \_\_\_\_\_

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: A/C not cooling good.

Repairs Completed: Checked crane & verified problem.

Tightened A/C compressor belt because it was slipping.  
Installed new condenser fan. Run crane & a/c. All tests &  
Checks good.

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>90018843</u>	<u>A/C condenser fan</u>	<u>2</u>	<u>2</u>

Recommendations: \_\_\_\_\_

Technician: Bradley Wille

Customer Name: KBR.

Customer Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





## SERVICE REPORT

Date: 7-6-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport

M/M/T: GROVE RT 9150E

Hours: \_\_\_\_\_

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: crane won't scope out.

Repairs Completed: ~~checked~~ checked & verified complaint. Found boom telescope ~~on~~ cylinder out of sync. Resynced boom tele ~~cylinder~~ cylinder as per GROVE procedure. Resync was successful, all checked & tested good.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Brody Wick

Customer Name: KBR.

Customer Signature: Juan Salazar

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





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### SERVICE REPORT

Date: 7-12-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Clute

M/M/T: 915E Grove

Hours: 6887

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: 500HR Service Change oil change  
oil Filter Fuel Filter Air Filter  
Grease Boom

5 Gal 15/40  
4x Lithium Grease manatee  
1x WF 2071 Water Filter  
1x FS 1065 Fuel Water Sep

Qty	Part Number	Description	Ordered	Installed
1	AF55015	outer Air	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	AF55309	inner Air	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	LF9009	Lube Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	FF5612	Fuel Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Daniel Swagena

Customer Name: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Labor: Reg \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Yes ☒ No ☐

O.T. \_\_\_\_\_



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### SERVICE REPORT

Date: 9/21/17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Clute TX

M/M/T: Grove RT9150

Hours: 72.96

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: 1st gear insp.

Repairs Completed: Crane went so into 2<sup>nd</sup> gear. has error codes  
one error code indicates open @ 1<sup>st</sup> gear solenoid. Replaced  
7 replaced tested 1st gear, works properly. Crane has  
no other issues

Qty	Part Number	Description	Ordered	Installed
1	9904107574	Gail		<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Joseph Oracio

Customer Name: Paul Keller

Customer Signature: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



# BIGGE

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## CRANE and RIGGING CO.



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### SERVICE REPORT

Date: 10-16-17

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: CLUTC

M/M/T: Grove

Rt 9150

Hours: 7496

Equipment # BE 150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: 500 HR Service change oil change oil Filter  
Fuel Filter Air Filter

Change windshield wiper

Grease Boom

Grease crane

Labor 7.5 @ 125.00 = 937.50

Engine oil 5-Gal @ 20.07 = 100.35

Consumable

1x windshield wiper <sup>12" 33"</sup> 19.98 ✓  
1x windshield wiper <sup>12" 17 1/2"</sup> 19.98 ✓  
1x AF 55015 <sup>205.79</sup> outer Air ~~100.00~~ 316.60 ✓  
1x AF 55309 <sup>51.83</sup> inner Air Filter ~~100.00~~ 79.74 ✓

Qty	Part Number	Description	Ordered	Installed
1	FS 1065	33.11 Fuel/water Sep	50.94 ✓	✓
1	FF 5612	8.19 Fuel Filter	12.60 ✓	✓
1	LF 9009	36.32 Lube Filter	55.88 ✓	✓
5	03329071	28.71 Boom Section Grease	44.17 ✓	✓

Recommendations: \_\_\_\_\_

Call out fee 100.00 ✓  
Haz mat fee 28.13 ✓

Technician: Daniel Sweaza

Customer Name: Jim Crichton

Customer Signature: Jim Crichton

Job Complete: \_\_\_\_\_

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

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### SERVICE REPORT

Date: 4-9-18  
 Customer's Name: KBR Customer P.O. # \_\_\_\_\_  
 Job Location: BASF, Freeport TX M/M/T: Grove RT 9150E Hours: 8282  
 Equipment # BE150101 Serial # 233663 Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: lube boom

Repairs Completed: lube boom sections with Manitowoc/Grove  
sprocket boom grease

Qty	Part Number	Description	Ordered	Installed
9	03324071	Manitowoc boom grease	2	2

Recommendations: \_\_\_\_\_

Technician: Bradley Wick  
 Customer Name: Jim Erickson Job Complete: \_\_\_\_\_ Labor: Reg \_\_\_\_\_  
 Customer Signature: \_\_\_\_\_ Yes ☒ No ☐ O.T. \_\_\_\_\_



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### SERVICE REPORT

Date: 4-20-18

Customer's Name: KBR / BASK

Customer P.O. # \_\_\_\_\_

Job Location: Freeport, TX

M/M/T: Grove RT 9130E

Hours: 8338

Equipment # BE150101

Serial # 2330103

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: Hyd leak & outrigger sensor inop.

Repairs Completed: checked crane & found outrigger sensor cable broken. need to replace with new one.

checked hyd. leak & found Rexroth valve leaking & burned up. need to replace valve with new one.

SIGNATURE VERIFIES RECEIPT OF EQUIPMENT  
OR MATERIALS ONLY. BUYER REJECTS ALL  
TERMS AND CONDITIONS CONTAINED IN  
THIS DOCUMENT.

DATE RECEIVED: 4-20-18

RECEIVED BY: [Signature]

Qty	Part Number	Description	Ordered	Installed
<u>2</u>		<u>outrigger sensor</u>	<u>2</u>	
<u>2</u>		<u>Rexroth valve block for boom pin.</u>	<u>2</u>	

Recommendations: \_\_\_\_\_

Technician: Bradley Wick

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Yes ☐ No ☒

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_

4-30-18

KEX 13.25

RE 120101

FROM RI 1101

8338

1001 1001 + 000000 1001 1001

checked 1001 + 000000 1001 1001  
checked 1001 + 000000 1001 1001

checked 1001 + 000000 1001 1001  
checked 1001 + 000000 1001 1001

1001 1001 + 000000 1001 1001

1001 1001 + 000000 1001 1001

X	1001 1001 + 000000 1001 1001	1001 1001 + 000000 1001 1001
X	1001 1001 + 000000 1001 1001	1001 1001 + 000000 1001 1001

1001 1001 + 000000 1001 1001





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### SERVICE REPORT

Date: 4-21-18  
 Customer's Name: KBR / BASF Customer P.O. # \_\_\_\_\_  
 Job Location: Freeport, TX M/M/T: GROVE RT 9150 E Hours: 8338  
 Equipment # BE150101 Serial # 233663 Trip Mileage \_\_\_\_\_  
 Describe Defects & Cause of Failure: Hyd leak & outrigger length indicator.

Repairs Completed: Replaced hyd valve that was leaking & broken  
length ~~indicator~~ indicator.

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>03324808</u>	<u>3 way Valve Rex Roth.</u>	<u>2</u>	<u>2</u>
<u>1</u>	<u>80033282</u>	<u><del>length</del> indicator reel outrigger</u>	<u>2</u>	<u>2</u>

Recommendations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Technician: Bradley Wick  
 Customer Name: \_\_\_\_\_ Job Complete: \_\_\_\_\_ Labor: Reg \_\_\_\_\_  
 Customer Signature: [Signature] Yes ☒ No ☐ O.T. \_\_\_\_\_



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### SERVICE REPORT

Date: 4/30/18

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Clute TX

M/M/T: Grove RT 2180 E

Hours: 8366

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: LMI Error

Repairs Completed: Customer Complained LMI Not letting boom scope. Noticed operator was using invalid boom configuration. After correcting that issue crane boom scopes out properly. Crane has no other issues @ time.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Joan Ornela

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





### SERVICE REPORT

Date: 5-8-18

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: BASF Freeport, TX

M/M/T: Grove 9150E

Hours: 8382

Equipment # BE150101

Serial # \_\_\_\_\_

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: A/C is starting to blow a little warm.

Repairs Completed: checked crane & verified problem. Topped up A/C system with freon.

checked crane, all tests & checks good. A/C blows cold.

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Bradley Lick

Customer Name: John W. Johns

Customer Signature: [Signature]

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_





### SERVICE REPORT

Date: 5-31-18

Customer's Name: KBR

Customer P.O. # \_\_\_\_\_

Job Location: Freeport, TX

M/M/T: GROVE RT 9150E

Hours: 8474

Equipment # BE150101

Serial # \_\_\_\_\_

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: A/C not blowing cold.

Repairs Completed: checked crane & verified issue.

Found A/C condensor fan not working.  
Replaced with new fan.

All tests & checks good. A/C blows cold.

Qty	Part Number	Description	Ordered	Installed
<u>1</u>	<u>90618343</u>	<u>24V condensor fan</u>	<u>X</u>	<u>2</u>

Recommendations: \_\_\_\_\_

Technician: Bradley Wick

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete: \_\_\_\_\_

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_



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## SERVICE REPORT

Date: 8-20-18

Customer's Name: Bigge

Customer P.O. # \_\_\_\_\_

Job Location: Houston

M/M/T: Grove

Hours: 8512

Equipment # BE150101

Serial # 233663

Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: Changed out fire ext., fixed cab dome light, fixed front head light, put molly on jacks & rotex, replaced mirrors, topped off hyd tanks, checked all fluids, Blomdirt, replaced crankcase filter, greased crane & boom, serviced batt., replaced A/c lower, checked & fixed hyd. leaks, replaced dust covers on parking brake cylinders, put safety tape on boom, fixed fault code (light), fixed QD leak

Qty	Part Number	Description	Ordered	Installed

Recommendations: \_\_\_\_\_

Technician: Tavis V. / Charlie M.

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_






## PM Service Report-HSTX


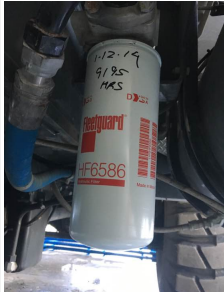

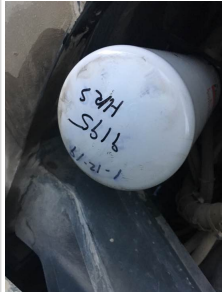
### Job-Site/Customer Information

Date of PM	01-12-2019
Job#	10-14-29100
Customer Name	North Texas crane
Customer Location	Sunnyvale

### Equipment Information

RT/AT/CD Equipment #	BE150101
Make	Grove
Model	RT9150E
Serial #	233663
Equipment Hours	9195
Hour Meter	

### Type of Service

PM Type	2000 Hr
	 32.774558, -96.568876
Repairs Completed:	Full pm change I and all filters listed
Photos of New Filter w/Date	  
	01-12-2019 06:24 AM





## PM Service Report-HSTX

### Parts Used/Ordered



Parts	Installed
Part Number	Af55309
Filter Type	Air
Parts	Installed
Part Number	F55015
Filter Type	Air
Parts	Installed
Qty.	1
Part Number	943100849
Filter Type	Hydraulic Oil
Parts	Installed
Qty.	2
Part Number	Hf6586
Filter Type	Hydraulic Oil
Parts	Installed
Qty.	1
Part Number	F9009
Filter Type	Oil
Parts	Installed
Qty.	1
Part Number	Fs10065
Filter Type	Fuel/Water Separator
Parts	Installed
Qty.	1
Part Number	Ff5680
Filter Type	Fuel/Water Separator
Parts	Installed
Qty.	1
Part Number	Wf2077

### Acknowledgement:

Job Completed	Yes
Bigge Technician:	Danielsweaza



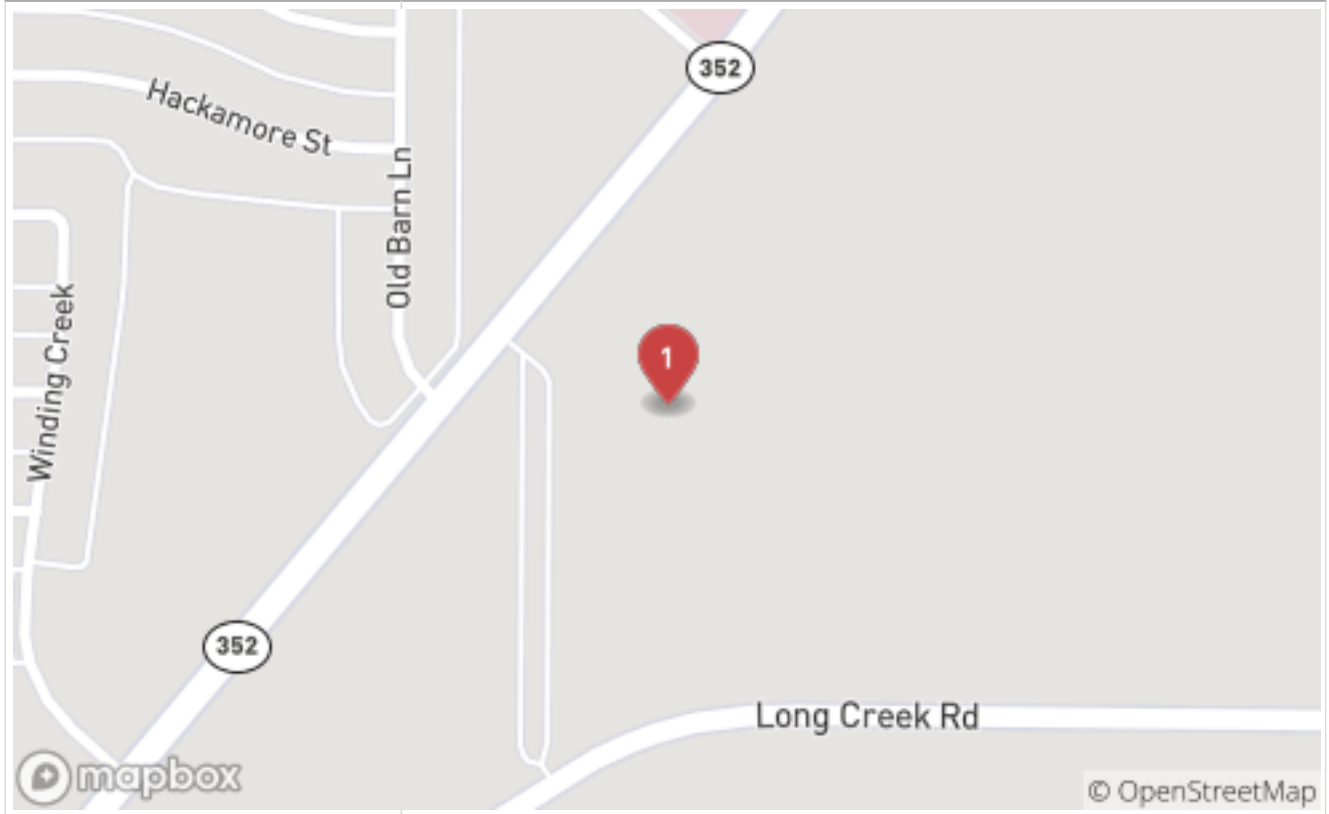
## PM Service Report-HSTX

<b>Acknowledgment</b>	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
<b>Signature</b>	
<b>Customer Representative:</b>	Bradly Nail
<b>Acknowledgment</b>	I agree that, to the best of my knowledge, the service performed was completed as indicated on this PM Service Report.  Thank You
<b>Signature</b>	



## PM Service Report-HSTX

### Form Locations







### SERVICE REPORT

Date: 3-23-19

Customer's Name: \_\_\_\_\_ Customer P.O. # \_\_\_\_\_

Job Location: Midland Tx M/M/T: Grove Rt 880 E Hours: 6786

Equipment # \_\_\_\_\_ Serial # 233669 Trip Mileage \_\_\_\_\_

Describe Defects & Cause of Failure: \_\_\_\_\_

Repairs Completed: 500 HR - PM

Change oil and all Filters Listed

4 gal 15/40  
AR 55015 AR  
AR 55309 AR

Qty	Part Number	Description	Ordered	Installed
1	LF 3970	oil Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	FE 5636	Fuel Filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	FS 1065	Fuel Water Sep	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Recommendations: \_\_\_\_\_

Technician: Daniel Sweet

Customer Name: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Job Complete:

Yes ☒ No ☐

Labor: Reg \_\_\_\_\_

O.T. \_\_\_\_\_