

# SERVICE INVOICE

INVOICE NUMBER:

Invoice Date:

02-29-24

Due

\$12,234.43

Bill To:

Ship To:

##

Make AA

Model 563C

Serial # 0W6300102

Equip No

Machine ID

Meter Reading 5.0

PSO/WO TM30791

Customer #

PO #

Doc Date

Salesman

Division

Store

Terms

Quantity

Item

01-12-24

G 10

4

Description

Unit Price

Extension

TROUBLESHOOT MACHINE  
FOR LEAKS

CUSTOMER COMPLAINT: TROUBLESHOOT FLUIDS &  
HYDRAULICS

CAUSE OF FAILURE: N/A

RESULTANT DAMAGE: N/A

REPAIR PROCESS COMMENTS: TROUBLESHOOT FLUIDS &  
HYDRAULICS

INSPECTED MACHINE FOR LEAKS

NOTICED THAT THE RIGHT TILT CYLINDERS AND BOTH  
STEERING CYLINDERS ARE LEAKING

AND SAW HOSES THAT WERE WORN OUT AND LEAKING

UPERVISOR MADE A QUOTE FOR WORK ORDER

SEGMENT 01 TOTAL

F/R LBR

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T

REMOVE & INSTALL 2 STEERING CYLINDER  
EACH

CUSTOMER COMPLAINT: REMOVE & INSTALL STEERING  
CYLINDER

CAUSE OF FAILURE: BEARINGS AND SEALS WORN OUT

RESULTANT DAMAGE: CYLINDER LEAKING

REPAIR PROCESS COMMENTS: REMOVE AND INSTALL  
STEERING CYLINDER

STARTED BY CLEANING OFF THE CYLINDERS AND TAKING  
THE HOSES OFF OF THEM

HAD TO FIGHT THE HOSES BECAUSE THEY WERE COVERED  
IN DIRT AND THEY WERE IN A VERY TIGHT SPOT

ONCE THE HOSES WERE OFF WENT AHEAD AND CAP AND  
MARKED THEM

AFTER THAT STARTED TAKING THE HARDWARE, PINS, AND  
SNAP RINGS TO GET THE CYLINDER OFF THE MACHINE

HAD TO FIGHT THE LEFT CYLINDER OUT OF THE MACHINE  
BECAUSE THERE WERE HOSES IN THE WAY AND IT WAS IN  
A TIGHT SPOT

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Quantity

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Extension

USED THE CRANE TO CAREFULLY REMOVE THE LEFT CYLINDER OUT OF THE MACHINE  
ONCE THE CYLINDERS WERE DONE GETTING NEW SEALS STARTED THE INSTALLING PROCESS  
INSTALLED THE LEFT AND RIGHT CYLINDER USING THE A PROPER LIFTING DEVICE  
ONCE THEY GOT INSTALLED WENT AHEAD AND MADE SURE THE HOSES WERE INSTALLED AND TIGHT  
GREASED UP CYLINDERS  
REMOVED AND INSTALLED STEERING CYLINDERS  
1 350-8936

VALVE GP-SOL

N

TOTAL PARTS

SEG. 02

F/R LBR

SEGMENT 02 TOTAL

REPLACE BEARINGS & SEALS 2 STEERING CYLINDER EACH

CUSTOMER COMPLAINT: RESEAL STEERING CYLINDERS.  
CAUSE OF FAILURE: BLOWN U CUP.  
RESULTANT DAMAGE: CYLINDERS LEAKING EXTERNALLY.  
REPAIR PROCESS COMMENTS: DISASSEMBLED CYLINDERS.  
INSPECTED PARTS.  
NOTICED DAMAGE ON PISTON AND IN THE END OF THE BARREL.  
PISTON HAD BEEN REPAIRED PREVIOUSLY.  
DAMAGE SHOULD NOT EFFECT COMPONENT OPERATION.  
SCOURING IN BOTH STEERING CYLINDER BARRELS.  
USED BALL HONE TO REMOVED SCOURING.  
MOST OF THE SCOURING WAS REMOVED.  
INFORMED SUPERVISOR OF THE MINOR SCOURING.  
SUPERVISOR SAID TO USE THEM.  
THE MINOR SCOURING SHOULD NOT EFFECT THE COMPONENT OPERATION.  
ORDERED PARTS.  
CLEANED PARTS.

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Description

Unit Price

Extension

INSTALLED NEW SEALS ON PISTONS AND IN HEADS.  
INSTALLED ROD ASSEMBLIES INTO BARRELS.  
TORQUED HEAD MOUNTING BOLTS.  
INSTALLED NEW SEALS ON ON FITTINGS.  
TESTED CYLINDER OPERATION.  
CAPPED FITTINGS.  
SENT CYLINDERS TO MAIN SHOP.

6	1J-9671	SEAL O RING	S
1	2K-7468	NUT	N
8	3K-0360	SEAL	S
8	6V-8398	SEAL O RING	S
8	7J-9108	SEAL	S
4	3707995	SEAL KIT	N
1	3770612	GLAND SEAL KIT	N
1	3770613	SEAL KIT	N
4	4306989	SEAL KIT PIS.	N

TOTAL PARTS

SEG. 03

F/R LBR  
F/R MSC

SEGMENT 03 TOTAL

REMOVE & INSTALL TILT CYLINDER  
EACH

CUSTOMER COMPLAINT: REMOVE & INSTALL TILT CYLINDER  
CAUSE OF FAILURE: WORN OUT SEALS IN TILT CYLINDER  
RESULTANT DAMAGE: LEAKING HYDRAULIC OIL FROM  
CYLINDER  
REPAIR PROCESS COMMENTS: REMOVE & INSTALL TILT  
CYLINDER  
STARTED BY TAKING THE HOSES OFF THE CYLINDER  
REMOVED THE PINS WHILE THE CRANE WAS ATTACHED TO  
THE CYLINDER  
REMOVED THE CYLINDER AND SENT IT TO THE COMPONENT  
SHOP  
ONCE IT GOT ITS NEW SEAL STARTED INSTALLING IT

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Quantity	Item	Description	Unit Price	Extension
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BACK TO THE MACHINE  
ONCE EVERYTHING WAS INSTALLED MADE SURE TO GREASE  
IT  
REMOVED AND INSTALLED TILT CYLINDER

F/R LBR

SEGMENT 04 TOTAL

REPLACE BEARINGS & SEALS TILT CYLINDER  
EACH

CUSTOMER COMPLAINT: REPLACE BEARINGS AND RESEAL.  
CAUSE OF FAILURE: FAILED WIPER SEAL.  
RESULTANT DAMAGE: DAMAGED U CUP.  
REPAIR PROCESS COMMENTS: DISASSEMBLED CYLINDER.  
CLEANED PARTS.  
INSPECTED PARTS.  
ORDERED PARTS.  
REMOVED OLD BEARINGS.  
INSTALLED NEW BEARINGS.  
INSTALLED NEW SEALS ON PISTON AND IN HEAD.  
INSTALLED ROD ASSEMBLY.  
TORQUED HEAD MOUNTING BOLTS.  
RESEALED FITTINGS.  
SENT CYLINDER TO MAIN SHOP.

2	1P-3702	SEAL	S
1	3770612	GLAND SEAL KIT	N
1	3770613	SEAL KIT	N
1	4599962	PISTON	N

TOTAL PARTS

SEG. 05

F/R LBR  
F/R MSC

SEGMENT 05 TOTAL

REPLACE HYDRAULIC HOSES/LINES

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Quantity	Item	Description	Unit Price	Extension		

CUSTOMER COMPLAINT: REPLACE AND INSTALL HYDRAULIC HOSES  
CAUSE OF FAILURE: HOSES ARE WORN DOWN AND SHOWING WIRE  
RESULTANT DAMAGE: HOSES LEAK HYDRAULIC OIL  
CAUSEING THE MACHINE TO LOOSE HYDRAULIC OIL  
REPAIR PROCESS COMMENTS: REPLACE AND INSTALL HYDRAULIC HOSES  
CHECKED THE HOSE THAT IS GOING TO BE TAKEN OUT  
WAS TOLD TO QUOTE ONE HOSE ON THE MACHINE  
THE HOSE IS SPLIT IN TIWO PECIES ON THE MACHINE  
STARTED TAKEN THE BACK HOSE OFF AND MADE SURE TO  
CAP THE HOSE AND TO WHATEREVER IT WAS CONNECT TO  
HAD TO FIGHT THE HOSE CONNECTD TO THE FRONT OF THE  
MACHINE  
ONCE THAT HOSE WAS OUT MADE SURE TO CAP IT AND CAP  
THE LINES  
LOOKED UP THE PART NUMBER FOR THE HOSES AND GOT  
THEM ORDERED  
ONCE THEY CAME IN WENT AHEAD AND INSTALLED THE  
HOSES  
ONCE THEY WERE INSTALLED TOPPED OFF THE HYDRAULIC  
OIL  
REMOVED AND INSTALLED HYDRAULIC HOSES  
2 5K-9090 S  
1 373-3255 N  
234 456-8478 S  
1 499-1142 S  
1 499-1149 S  
1 3096931X S  
SEAL O RING  
HOSE AS.  
XT3TG CM BULK 25.4S  
COUPLING AS  
COUPLING AS  
OIL HYDRO 10, 5 GLS  
TOTAL PARTS  
SEGMENT 06 TOTAL

SEG. 06

F/R LBR

TRANSPORT MACHINE

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4

Quantity

Item

Description

Unit Price

Extension

1.00

TULSA HAUL TRK  
TOTAL MISC CHGS

SEG. 50

SEGMENT 50 TOTAL

ENVIRO. FEE

TAX EXEMPTION LICENSE OKAG11735980-03

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C.O.D.

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Parts

Labor

Misc.

Tax

TOTAL

\$12,234.43



# SERVICE INVOICE

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\$2,165.88

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5.0

PSO/WO

TM31942

Customer #

PO #

Doc Date

Salesman

Division

Store

Terms

03-08-24

292

G

10

4

Quantity

Item

Description

Unit Price

Extension

\*\*\* PROFORMA INVOICE \*\*\*

## REPAIR HYDRAULIC HOSES/LINES

CUSTOMER COMPLAINT: REPAIR HYDRAULIC HOSES/LINES  
CAUSE OF FAILURE: WEAR OVER TIME

RESULTANT DAMAGE: LEAKS

REPAIR PROCESS COMMENTS: REPLACED ORINGS UNDER  
FITTING BLOCK AND LINE AND ORINGS ON THE FITTING  
AND THE LINE ON THE FAN SIDE

TIGHTENED AND MARKED ALL BOLTS AND FITTINGS

- WITH NEW LINES MADE THEY WERE REINSTALLED/ROUTED  
ENSURING TO REMOVE THE DUST CAPS BEFORE REINSTALL.

- CUSTOMER REQUESTED TO REUSE ORIGINAL HYDRAULIC  
OIL, SO THE FILTERING STAND WAS USED TO PUMP THE  
FLUID INTO THE SYSTEM AS "CLEAN" HYDRAULIC OIL.

- THE HYDRAULIC FUNCTIONS WERE THEN USED AND  
MACHINE DRIVEN TO ALLOW FLUID LEVELS TO EQUALIZE  
AND COME UP TO TEMP BEFORE VISUAL INSPECTION AFTER  
REPAIRS.

- WITH NO FURTHER HYDRAULIC LEAKS FOUND AT THIS  
TIME THE BOTTOM COVERS, AND SIDE PANELS WERE  
REINSTALLED FOR FINAL TESTING

3	4J-5267	SEAL-O-RING	S
4	4J-5477	SEAL O RING	S
2	6V-8398	SEAL O RING	S
4	6V-9746	SEAL O RING	S
2	124-2111	COUPLING	S

1	124-2116	COUPLING	S
1	124-2131	COUPLING	S
2	124-2140	COUPLING	S
1	380-1542	HOSE AS.	N
1	419-2898	HOSE AS.	N
451	456-8443	294TG CM BULK 6.4	S
129	456-8452	294CP CM BULK 9.5	S
1	3096931X	OIL HYDRO 10, 5 GLS	

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Machine ID

Meter Reading

5.0

PSQWO

TM31942

Customer #	PO #	Doc Date	Salesman	Division	Store	Terms
[REDACTED]	[REDACTED]	03-08-24	292	G	10	4

Quantity	Item	Description	Unit Price	Extension
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TOTAL PARTS SEG. 03

TOTAL LABOR SEG. 03  
LESS 50%-LABOR

1.00

HYDRAULIC HOSE

TOTAL MISC CHGS SEG. 03

SEGMENT 03 TOTAL

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ENVIRO. FEE

TAX EXEMPTION LICENSE OKAG11735980-03

\* \* \*

C O D

\* \* \*

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Parts

Labor

Misc.

Tax

TOTAL

\$2,165.88