

SOLD TO

SHIP TO

NOMUG CONSTRUCTION LLC  
4133 S KATY RD  
CHANUTE KS 66720-5490

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.	CUSTOMER PURCHASE ORDER NUMBER			STORE	DIV	SALESMAN	TERMS	PAGE
SVWO0484992	12-15-12	017105	MIKE			20	G	114	2	1
PSO/WO NO.	DOC. DATE	PC	LC	MC	SHIP VIA				INVOICE SEQ. NO.	
2006445	11-02-12	1C	1C	1C					7938884	
MAKE	MODEL		SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH. ID NO.
AA	H115S	HMR	04PL00272					2150.0		02-645
QUANTITY	ITEM		*N/R	DESCRIPTION			UNIT PRICE		EXTENSION	

## INSPECT HYDRAULIC HAMMER

COMPLAINT: HAMMER LEAKING OIL OUT AROUND BIT  
CAUSE: PISTON CRACKED, CYLINDER BAD  
COMPLICATION: AFTER TEARING HAMMER DOWN CLEANED UP PARTS AND INSPECTED.  
CORRECTION: FOUND THREE TIE RODS BROKEN, PISTON CRACKED IN TWO, CYLINDER BADLY GOUGED FROM PISTON, UPPER BUSHING WORN OUT. BIT WORN OUT, BOTH BUFFERS BAD. QUOTED REPAIRS NEEDED TO HAMMER.

TOTAL LABOR SEG. 00 381.60 \*

SEGMENT 00 TOTAL 381.60 T

## REPAIR HYDRAULIC HAMMER

COMPLAINT: HAMMER LEAKING OIL AROUND BIT  
CAUSE: PISTON BROKEN, CYLINDER GOUGED AND SEALS TORN FROM PISTON  
COMPLICATION: DISASSEMBLED HAMMER AND FOUND TOP BUFFER BAD AND SIDE BUFFERS BAD. 3 TIE RODS BROKEN. REMOVED ACCUMULATOR, CONTROL VALVE, PULLED PISTON OUT AND FOUND CRACKED ALL THE WAY AROUND, CYLINDER GOUGED DEEP, SEAL CARRIER BAD,

*THANK YOU FOR YOUR BUSINESS!*

PAY THIS AMOUNT ➤	CONT'D
AMOUNT CREDIT ➤	

PLEASE REMIT TO:  
1601 E. 77th Street North  
Park City, KS 67147

CUSTOMER COPY

SOLD TO

SHIP TO

NOMUG CONSTRUCTION LLC  
 4133 S KATY RD  
 CHANUTE KS 66720-5490

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.		CUSTOMER PURCHASE ORDER NUMBER			STORE	DIV	SALESMAN	TERMS	PAGE
SVWO0484992	12-15-12	017105		MIKE			20	G	114	2	2
PSO/WO NO.	DOC. DATE	PC	LC	MC	SHIP VIA					INVOICE SEQ. NO.	
2006445	11-02-12	1C	1C	1C						7938884	
MAKE	MODEL		SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH. ID NO.	
AA	H115S	HMR	04PL00272					2150.0		02-645	
QUANTITY	ITEM		*N/R	DESCRIPTION				UNIT PRICE		EXTENSION	

IMPACT RING ALSO WORN OUT, CHECK VALVE BAD, SPRING BAD IN PRESSURE CONTROL VALVE. WASHED LOWER HOUSING AND CHECKED BUSHINGS AND FOUND LOWER BUSHING HAD VERY LITTLE WEAR ON IT BUT THE UPPER WAS BAD. ORDERED PARTS NEEDED FOR REPAIR. CORRECTION: CUT OUT UPPER BUSHING, REMOVED LOWER BUSHING TO CLEAN UP. WASHED LOWER HOUSING AND REINSTALLED LOWER BUSHING AND GREASED. INSTALLED NEW UPPER BUSHING. CLEANED UP NEW SEAL CARRIER, CYLINDER, PISTON. INSTALLED SEALS IN SEAL CARRIER, CYLINDER AND ASSEMBLED. CLEANED UP CONTROL VALVE. INSTALLED NEW SPRING IN PRESSURE CONTROL VALVE AND ASSEMBLED VALVE. INSTALLED NEW CHECK VALVE AND PUT VALVES IN THE CONTROL VALVE, TORQUED BOLTS TO SPEC IN SIS. STAMPED NEW TIE RODS AND NUTS TO MATCH. PUT ANTISEIZE ON TIE RODS AND NUTS AND INSTALLED IN HAMMER. TORQUED TIE RODS TO SPEC IN SIS. HEATED TIE RODS AND TORQUED TURNED 100DEGREES. LET COOL AND PUT SILICONE ON ALL JOINTS OF TIE RODS AND ALL LIFTING EYE OR FORCING BOLT HOLES. CLEANED UP ACCUMULATOR AND INSTALLED NEW DIAPRAGM IN ACCUMULATOR AND TORQUED BOLTS TO SPEC IN SIS. INSTALLED ACCUMULATOR ON HAMMER AND TORQUED MOUNTING BOLTS TO SPEC. CHARGED ACCUMULATOR TO 580 PSI. PUT HAMMER BACK IN CASE. INSTALLED NEW BIT AND STOOD HAMMER UP TO PUT PRESSURE ON BIT AND PISTON, GREASED BOTH GREASE ZERKS 115 TIMES. PUT HAMMER ON PALLET TO SHIP BACK TO CHANUTE.

*THANK YOU FOR YOUR BUSINESS!*

PAY THIS AMOUNT ➤	CONT'D
AMOUNT CREDIT ➤	

PLEASE REMIT TO:  
 1601 E. 77th Street North  
 Park City, KS 67147

CUSTOMER COPY

SOLD TO

SHIP TO

NOMUG CONSTRUCTION LLC  
4133 S KATY RD  
CHANUTE KS 66720-5490

INVOICE NUMBER	INVOICE DATE	CUSTOMER NO.		CUSTOMER PURCHASE ORDER NUMBER			STORE	DIV	SALESMAN	TERMS	PAGE
SVWO0484992	12-15-12	017105		MIKE			20	G	114	2	3
PSO/WO NO.		DOC. DATE	PC	LC	MC	SHIP VIA					INVOICE SEQ. NO.
2006445		11-02-12	1C	1C	1C						7938884
MAKE	MODEL		SERIAL NUMBER			EQUIPMENT NUMBER		METER READING		MACH. ID NO.	
AA	H115S	HMR	04PL00272					2150.0		02-645	
QUANTITY		ITEM		*N/R	DESCRIPTION			UNIT PRICE		EXTENSION	

F/R PTS 19205.65 \*

TOTAL LABOR SEG. 01 1311.75 \*

3.00

IN FRT CHG 35.50

TOTAL MISC CHGS SEG. 01 35.50 \*

SEGMENT 01 TOTAL 20552.90 T

# REMOVE & INSTALL HYDRAULIC HAMMER BRACKET

COMPLAINT: NEED TO REMOVE MOUNTING BRACKET TO TAKE  
HAMMER APART AND THEN CLEAN UP MOUNTING SURFACES  
AND PUT BACK TOGETHER.

CAUSE: HAMMER LEAKING

COMPLICATION: REMOVED MOUNTING BRACKET AND HOSES

CORRECTION: BUFFED BOTH MOUNTING SURFACES AND PUT

MOUNTING BRACKET BACK ON HAMMER AND TIGHTENED UP.

INSTALLED HOSES ON HAMMER.

TOTAL LABOR SEG. 02 190.80 \*

SEGMENT 02 TOTAL 190.80 T

THANK YOU FOR YOUR BUSINESS!

PAY THIS AMOUNT ➤	CONT'D
AMOUNT CREDIT ➤	

PLEASE REMIT TO:  
1601 E. 77th Street North  
Park City, KS 67147

CUSTOMER COPY

SOLD TO

SHIP TO

NOMUG CONSTRUCTION LLC  
4133 S KATY RD  
CHANUTE KS 66720-5490

INVOICE NUMBER		INVOICE DATE		CUSTOMER NO.		CUSTOMER PURCHASE ORDER NUMBER			STORE	DIV	SALESMAN	TERMS	PAGE
SVWO0484992		12-15-12		017105		MIKE			20	G	114	2	4
PSO/WO NO.		DOC. DATE		PC	LC	MC	SHIP VIA					INVOICE SEQ. NO.	
2006445		11-02-12		1C	1C	1C						7938884	
MAKE	MODEL		SERIAL NUMBER				EQUIPMENT NUMBER		METER READING		MACH. ID NO.		
AA	H115S	HMR	04PL00272						2150.0		02-645		
QUANTITY		ITEM		*N/R	DESCRIPTION				UNIT PRICE		EXTENSION		