



MAINTENANCE CHECKLIST

HAMMER MODEL: _____

S/N _____

MONTH / YEAR: _____

OK	<input checked="" type="checkbox"/>
OUT OF SERVICE (NO WORK DAY)	<input type="checkbox"/>
NOT APPLICABLE	N/A

PLEASE READ AND REFER TO THE POCKET MANUALS FOR ANY ADDITIONAL INFORMATION REQUIRED.

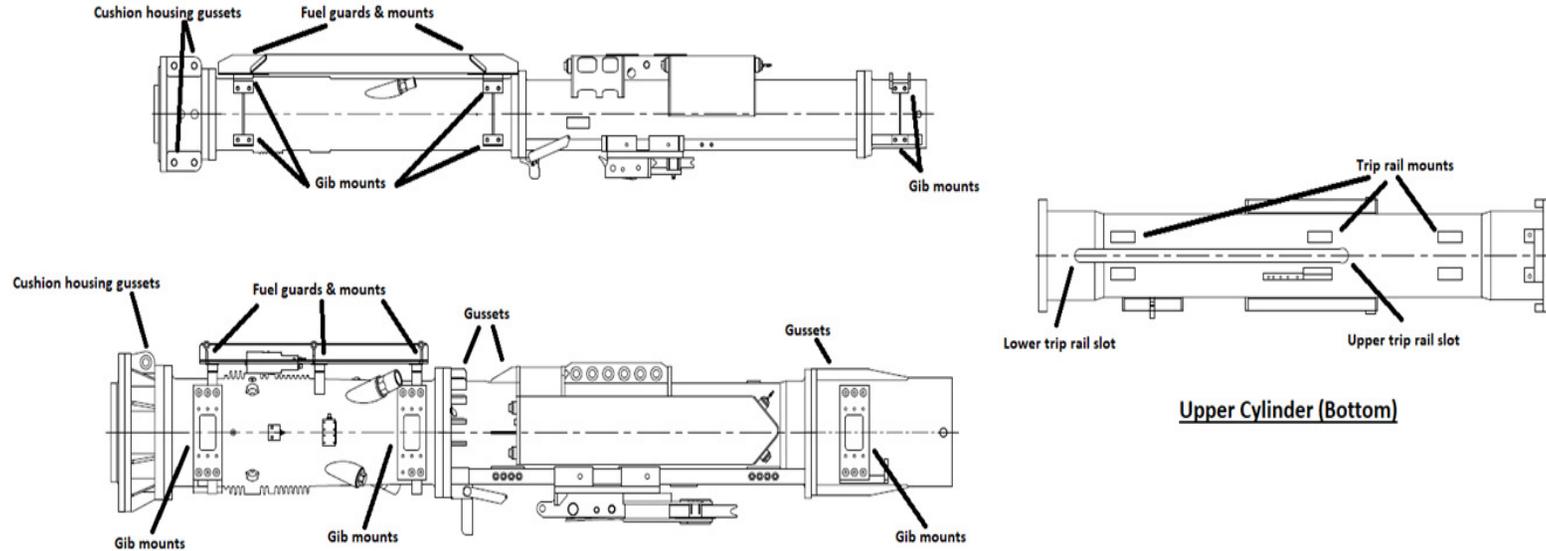
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
HAMMER	LUBRICATE OIL & FUEL PUMP EVERY 20 MINUTES OF DRIVING																																
	GREASE IMPACT BLOCK RINGS EVERY 20 MINUTES OF DRIVING																																
	PERFORM DRY DROP TO EVACUATE COMBUSTION CHAMBER																																
	INSPECT ALL HAMMER BOLTS FOR TIGHTNESS (Line marked)																																
	TOP UP FUEL AND OIL TANKS																																
	DRAIN HAMMER WASTE TANK (IF EQUIPPED)																																
	ENSURE TRIP SAFETY LEVER ROLL PINS ARE TIGHT																																
	INSPECT ENTIRE HAMMER FOR CRACKS																																
	TRIP GIBS - CHECK FOR WEAR, LUBRICATE WITH EP2																																
	TRIP SAFETY LEVER - CHECK FOR PROPER OPERATION																																
	TRIP LEVER - CHECK FOR WEAR																																
	INSPECT CUSHION STACK TENSION																																
	BRAIDED FUEL LINES - INSPECT FOR LEAKS																																
	TRIP GUIDE TOP STOPS - CHECK FOR CRACKS OR PROBLEMS																																
	GREASE HAMMER GIBS																																
	GREASE TRIP GIBS																																
	TOP UP HYDRAULIC HAND PUMP																																
	LUBRICATE TRIP LINKAGES																																
	TORQUE HAMMER GIB BOLTS TO SPEC.																																
	INSPECT STRIKER PLATE CUSHION RING																																
PERFORM PISTON DROP TEST (TO EVALUATE COMPRESSION)																																	
REMOVE, CLEAN AND REINSTALL HAMMER GREASE FITTINGS																																	
REPLACE INLINE FUEL FILTERS																																	
LEADS	INSPECT ALL WIRE ROPES AND OTHER RIGGING EQUIPMENT																																
	INSPECT ALL LEAD AND COMPONENT BOLTS FOR TIGHTNESS																																
	OIL AND TEST KICKER SAFETY STOP																																
	GREASE ALL SHEAVE PINS, GIBS AND SWIVEL PLATES																																
OTHER	1)																																
	2)																																
	3)																																
INITIALS																																	

NOTES/PROBLEMS:	REPORTED TO:	DATE AND INITIALS:

Diesel Pile Hammer Typical Crack Locations

Although cracking in diesel pile hammers are rare, they may occur due to how the hammer is being used and the age of the equipment. The images below show the most common areas where cracks may develop. It is important to check for cracks in accordance to the maintenance schedule in the locations below, as well as other areas of the hammer in general. To learn more about possible causes of cracks refer to: HAMMER ABUSE/NEGLECT – CAUSE AND EFFECT document. Paint may also crack over time, to determine if there is a crack, clean the paint from the area of concern using a wire wheel/wire brush and visually inspect the area without paint. Liquid die penetrant may also be used to confirm cracking. If a crack is found do not use the equipment and contact Berminghammer for more information.

B Series Hammers (B32 Side View Shown)



Mark V Series Hammers (6505 Side View Shown)

Cushion Pre-Load Test

For the cushion stack to properly function it is required to have a specific amount of preload applied to it during assembly. Over time this preload will decrease where extra shims or replacement cushion rings will be required. Operating hammers without sufficient pre-loaded cushion may result in broken/loosening bolts and/or crack formations in the hammer. To check the pre-load try to insert a flat head screw driver into the cushion housings viewing holes and try to insert the screw driver between the cushion and aluminum striker plate. If you can, you have lost your preload of your cushion stack and require maintenance. The preload test must be performed on the ground, off of a pile to ensure the cushions are free to move on their own.

