



## TAMPER INSPECTION &amp; SERVICE SHEET

<b>MACHINE NO:</b> Delete as necessary	<b>LOCATION:</b>	<b>DATE:</b>
<b>ENGINE KMS / ENGINE HOURS / TIME:</b>		<b>NEXT INSPECTION DUE:</b>
<b>FITTERS NAME:</b>		

Complete this work sheet as follows:
<b>CONDITION INSPECTION: ✓ FOR OK or × FOR ATTENTION REQUIRED</b>
<b>WHEN RECTIFIED: ✓ and INITIAL ONLY WHEN FAULT IS RECTIFIED</b>
<b>Settings and reading shall comply with manufactures specifications.</b>
<b>Test run machine after service and inspect for leaks.</b>
<b>STRIKE OUT SECTIONS NOT REQUIRED</b>

<b>SAFETY INSTRUCTIONS:</b>
1. Shut down the engine and turn the battery switch off.
2. Remove battery key.
3. Relieve all pressure in <b>air and hydraulic systems</b>
4. Make sure all <b>SAFETY LOCKS</b> are in position.

## SERVICE TYPE

A: 250hr

B: 500hr

C: 1000hr

D: 2000hr

NOTE: 750hr is the same as 250hr

ENGINE	A	B	C	D	Condition	Rectified	Initial	COMMENTS
Change engine oil and filter	X	X	X	X				
Change fuel filters	X	X	X	X				
Inspect/ clean primary air filter	X	X	X	X				
Change secondary air filter element		X	X	X				
Change engine coolant			X	X				
Inspect air intake hoses and piping	X	X	X	X				
Inspect condition of exhaust system	X	X	X	X				
Inspect radiator core is clean	X	X	X	X				
Inspect the condition of the radiator hoses	X	X	X	X				
Inspect the condition of the fan belts	X	X	X	X				
Inspect the condition of the fan bearing	X	X	X	X				
Inspect the condition of the alternator drive belts	X	X	X	X				
Replace water pump and thermostat				X				
Inspect for engine oil leaks	X	X	X	X				
Confirm engine oil pressure is above 103 kPa (15psi)	X	X	X	X				
Confirm hot engine water temp is below 95 C	X	X	X	X				
Confirm automatic shut down system is working	X	X	X	X				
Set engine RPM – idle / max	X	X	X	X				IDLE____MAX____)RPM)
Inspect	X	X	X	X				



<b>TRANSMISSION</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect gear box oil level	X							
Change gear box oil		X	X	X				
Inspect axle drive shaft universals	X	X	X	X				
Inspect gear box mounts	X	X	X	X				

<b>AXLES</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect differential oil level	X	X	X	X				
Change differential oil			X	X				
Inspect any excessive play in pinion	X	X	X	X				
Carry out wheel inspection	X	X	X	X				
Inspect axle suspension components & mounts	X	X	X	X				
Inspect axle bearing housings for damage, leakage, evidence of overheating	X	X	X	X				
Inspect axle bearings and axle journals				X				

<b>BRAKE SYSTEM</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect & adjust brake blocks	X	X	X	X				
Inspect brake block attachment	X	X	X	X				
Inspect brake adjusting rods for bending, breakage	X	X	X	X				
Inspect brake cylinder mounting & integrity	X	X	X	X				
Inspect hydraulic cylinders & linkages for leaks & wear	X	X	X	X				
Inspect pivot pins, bushes & spreader bars for wear & damage	X	X	X	X				
Inspect & adjust brake blocks	X	X	X	X				

<b>AIR CONDITIONING UNIT</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect/clean dust filter elements	X	X	X	X				
Change air filter element	X	X	X	X				
Inspect operation of air-conditioner	X	X	X	X				
Inspect hot water hoses for leaks	X	X	X	X				

<b>AIR SYSTEM</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Check air governor pressure 90psi (Max)	X	X	X	X				
Inspect air cylinder & tank attachment	X	X	X	X				
Inspect system for air leaks	X	X	X	X				
Inspect air hose condition	X	X	X	X				



<b>HYDRAULIC SYSTEM</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Take sample of oil	X	X	X	X				
Change hydraulic oil if sample report shows contamination								
Inspect oil cooler is clean	X	X	X	X				
Inspect oil cooler mounts	X	X	X	X				
Inspect hydraulic components for oil leaks	X	X	X	X				
Inspect hydraulic tank oil level	X	X	X	X				
Inspect/adjust system pressures	X	X	X	X				
Inspect hydraulic cylinder attachments	X	X	X	X				

<b>ELECTRICAL</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect and record machine voltage	X	X	X	X				
Inspect amperage charge	X	X	X	X				
Inspect instrument and gauges	X	X	X	X				
Inspect battery condition	X	X	X	X				
Clean battery terminals	X	X	X	X				
Check the operation of air horns	X	X	X	X				
Inspect operation of driving lights	X	X	X	X				
Inspect operation of work lights	X	X	X	X				

<b>TAMPING UNITS</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Check oil level in tamping heads	X	X	X	X				
Inspect work head speeds	X	X	X	X				
Inspect tamping tool wear	X	X	X	X				
Inspect tamping arm pivots	X	X	X	X				
Inspect squeeze cylinder attachments	X	X	X	X				
Inspect guide rods locking nuts	X	X	X	X				

<b>GENERAL</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>Condition</b>	<b>Rectified</b>	<b>Initial</b>	<b>COMMENTS</b>
Inspect operation of machine, dry cycle	X	X	X	X				
Inspect chassis and frame for cracks	X	X	X	X				
Grease/oil all lubrication points	X	X	X	X				
Inspect fire extinguishers charge/security	X	X	X	X				
Inspect bodywork for damage	X	X	X	X				
Record service in log book	X	X	X	X				



BODY AND PANEL DAMAGE REPORT

COMMENTS

**Fitter:**

Name: \_\_\_\_\_ Sign: \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Name: \_\_\_\_\_ Sign: \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Name: \_\_\_\_\_ Sign: \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**QUALIFIED MECHANIC - THRID PARTY COMPLIANCE VERIFICATION:**

Name: \_\_\_\_\_ Sign: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**INFRASTRUCTURE STANDARDS - Process and complete and entered into register:**

Name: \_\_\_\_\_ Sign: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_