



# Boom Placer Check List

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Inspector		Date		Signature	
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## Agitator

Inspection Item	Ok	Faulty	NA
Wobbling in motor	■	■	■
Shaft bushing	■	■	■
Agitator Shaft	■	■	■
Agitator shaft for proper rotation in forward/reverse modes.	■	■	■
Safety valve setting at	■	■	■
Agitator working pressure at without load	■	■	■

## Boom And outriggers

Inspection Item	Ok	Faulty	NA
Plumbing of holding valves	■	■	■
pipe	■	■	■
boom box section	■	■	■
All welds area- turret & pin mounting area	■	■	■
Slewing brake function	■	■	■
All boom holding valves	■	■	■
Proportional function of all boom cylinders	■	■	■
Locking pin assay for outrigger lock function for all four legs	■	■	■
Outrigger for Jack & Extension relief pressure	■	■	■
"System safety valve settings are set at; Main block & E. Stop block"	■	■	■

## Classification of equipment

Inspection Item	Note	Yes	No	NA
Needs major repairs / overhaul; To be sent to base workshop		■	■	■
Needs minor repairs before deployment or despatch to other site		■	■	■

## Concrete pump kit

Inspection Item	Ok	Faulty	NA
Gap between Rock & liner plate at kidney seal end	■	■	■
Gap between cutting ring & Rock valve	■	■	■
Gap between cutting ring & wearing insert	■	■	■
Tightness of slewing cylinder pin lock plate bolt.	■	■	■
Tightness of slewing lever center bolt	■	■	■
Tightness of plunger cylinder holder Allen bolt	■	■	■

Inspection Item	Ok	Faulty	NA
Tightness of rock valve tension nut.	■	■	■
Function of central lubricator (grease)	■	■	■
Hydraulic hose pipe routing	■	■	■
Air flow from hydraulic oil cooler	■	■	■
Tightness of ram fixture bolts	■	■	■
Water contamination in hydraulic oil	■	■	■
Ram operating pressure in without load	■	■	■
Maximum Hyd pressure of Main circuit (pressure cu-off)	■	■	■
Strokes when the manual stroke limit & dampener opened	■	■	■
Electric stroke limiter function at 0 & 10 level	■	■	■
Drive shaft rpm as per the PTO gear ratio PTTT	■	■	■
Air regulator pressure for the pilot system	■	■	■

### ***Drive ( PTO PTT )***

Inspection Item	Ok	Faulty	NA
In good mechanical condition; Can be deployed for work / sent to other site for use.	■	■	■
PTO gear box mounting frame and magi cone PTT■	■	■	■
Oil leakage from the PTO gear box and fittings	■	■	■

### ***Electrical function and safety checks***

Inspection Item	Ok	Faulty	NA
Activate hopper grate limit switch function	■	■	■
Activate bypass switch for boom& pump function	■	■	■
Water tank level switch function	■	■	■
Slewing limit warning horn for proper operation.	■	■	■
slewing range safety cut off function in both directions.	■	■	■
Function of Agitator reversing switch operational.	■	■	■
Oil cooler thermo switch	■	■	■
Emergency stop buttons for proper operation	■	■	■
Radio remote system (all operations).	■	■	■
Remote control box with all cables (all operations).	■	■	■
Ram change switches operational.	■	■	■
Ram reading function in vector	■	■	■
Calibration of joy stick on all remotes by vector	■	■	■
Joy stick mA	■	■	■

### ***Oil levels and general checks***

Inspection Item	Ok	Faulty	NA
Agitator gear box oil level	■	■	■
Fill water box and hopper with water	■	■	■
Boom Slewing Gear Box oil level	■	■	■
PTO Transfer Case oil level	■	■	■

Inspection Item	Ok	Faulty	NA
Hydraulic Oil level	■	■	■