



**Equipment Maintenance
Checklist 1**

Equipment type : CTU Batch Mixer	
Location : BELOK - A	
Equipment number : CTU/BM/103	
Checklist	
Appearance and Safety Equipment:	
<input checked="" type="checkbox"/>	Ensure unit appearance good and clean
<input checked="" type="checkbox"/>	Verify that all earth/ground cables are in place, well connected
<input checked="" type="checkbox"/>	Skid condition - visually check for any damage
<input checked="" type="checkbox"/>	Fire extinguisher is present and certified
Cooling System:	
<input type="checkbox"/>	Coolant level & condition
<input type="checkbox"/>	Check visible leaks
<input type="checkbox"/>	Radiator hose & clamp condition
Engine Inspection:	
<input type="checkbox"/>	Check engine oil level(SAE 15w-40) not be milty or too dark
<input type="checkbox"/>	Check any general leaks on all filter ,hoses, and connectors.
<input type="checkbox"/>	Check fan, hub, fanbelt Condition/ Tension
<input type="checkbox"/>	Check Battery cable connectors
<input type="checkbox"/>	Check condition of engine hose's
<input type="checkbox"/>	Check for rusted part- repair if required
<input type="checkbox"/>	Check the crankcase vent system for excessive blow by
Air Cleaner:	
<input type="checkbox"/>	Air filter condition-check the element for water or soot and clean as required
Controls / Instrumentation:	
<input type="checkbox"/>	Normal kill tested
<input type="checkbox"/>	Emergency kill tested
<input type="checkbox"/>	Oil pressure gauge in good condition
<input type="checkbox"/>	Tachometer in good condition
<input type="checkbox"/>	Throttle control in good condition
<input type="checkbox"/>	Engine stop cable in good condition
<input type="checkbox"/>	Engine start valve in good condition
Exhaust System:	
<input type="checkbox"/>	Pipework - check for any leak or damage
<input type="checkbox"/>	Condition/Operation of rain cap
<input type="checkbox"/>	Condition of exhaust wrap are in place and in good condition
Transmission, Gearbox:	
<input type="checkbox"/>	Check level Sight glass shows in full (SAE 90)
<input type="checkbox"/>	Check condition of the gearbox breather filter
Hydraulic System:	
<input type="checkbox"/>	Check Hyd. Hoses/valve/connections undamage and clean
<input type="checkbox"/>	Hyd.tank - drain any water
<input type="checkbox"/>	Check hyd. oil level (2" from top) (Tellus 46)
<input type="checkbox"/>	Check hyd. gauges
<input type="checkbox"/>	Check condition of fittings & couplings
Fuel System:	
<input type="checkbox"/>	Check for any water contamination in the fuel filter sight bowl
<input type="checkbox"/>	Fuel tank - drain any water
<input type="checkbox"/>	Check for leaks on fuel lines, connections, and hoses
<input type="checkbox"/>	Fuel filter - check condition
<input type="checkbox"/>	Fill up the diesel tank to 90%

Running Hours : 462 HRS	
Maintenance Schedule :	
Date : 27/9/2022	
Checklist	
Air System:	
<input type="checkbox"/>	Check visible leaks, ensure air up 90-110psi-check that gauge are GOOD
<input type="checkbox"/>	Gauges condition
<input type="checkbox"/>	Air reservoir /tanks - drain any water untill that are clean
<input type="checkbox"/>	Air hose,connections,piping,valves and actuators condition
<input type="checkbox"/>	All control working properly
Zone II System:	
<input type="checkbox"/>	Flame traps - check cleanliness
<input type="checkbox"/>	Back pressure gauges - check condition
<input type="checkbox"/>	Spark arrestor - check condition
Paddles / Aggitator:	
<input checked="" type="checkbox"/>	Check oil level (SAE 90)
<input checked="" type="checkbox"/>	Grease bearing
<input checked="" type="checkbox"/>	Check agitators turn
C-Pump:	
<input checked="" type="checkbox"/>	C-Pump packing - check condition
<input checked="" type="checkbox"/>	Check operation and shut-in pressure
<input checked="" type="checkbox"/>	4x5 C-Pump > 45 psi (40psi)
<input checked="" type="checkbox"/>	5x6 C-Pump> 55 psi
<input checked="" type="checkbox"/>	Perform circulation test
Mixing tank & piping:	
<input checked="" type="checkbox"/>	Check condition of mixing tank & paddle
<input checked="" type="checkbox"/>	Check condition of suction & discharge piping
<input checked="" type="checkbox"/>	Check condition of B/F Valve & grease
<input checked="" type="checkbox"/>	Check condition of safety railing w/comp.lock pin
<input checked="" type="checkbox"/>	Mixing head + circulation jet - no cement build up
System Pressure:	
<input type="checkbox"/>	Fuel pressure@idle speed psi
<input type="checkbox"/>	Fuel pressure@1800 RPM psi
<input type="checkbox"/>	Oil pressure @ cold start psi
<input type="checkbox"/>	Oil pressure @ 180deg.F psi
Certifications:	
<input type="checkbox"/>	Sling condition/ Due on 3/23
<input type="checkbox"/>	MPI due 5/23
<input type="checkbox"/>	Load Test due VISUAL Test : 9/23

Please state the equipment readiness in either columns and spare used

Ready	
Unit Ready to perform the job.	- Sun valve for agitator not function - handrail chain for secure handrail broken

Date : 27/9/2022	Signature:
Name : Mr. Hafizuddin / Hafizuddin	
Position : EQUIPMENT OPERATOR	

Please state any corrective actions and spare used.

Corrective Action Completion	
Date :	Signature:
Name :	
Position :	