

Equipment Maintenance Checklist 1

Equipment type : CTU Batch Mixer
 Location : DELTA
 Equipment number : CTU BMP 002

Checklist

Appearance and Safety Equipment:

- Ensure unit appearance good and clean
- Verify that all earth/ground cables are in place, well connected
- Skid condition - visually check for any damage
- Fire extinguisher is present and certified

Leaking System:

- Coolant level & condition
- Check visible leaks
- Radiator hose & clamp condition

Engine Inspection:

- Check engine oil level (SAE 15w-40) not be milky or too dark
- Check any general leaks on all filter, hoses, and connectors.
- Check fan, hub, fanbelt Condition/Tension
- Check Battery cable connectors
- Check condition of engine hose's
- Check for rusted part- repair if required
- Check the crankcase vent system for excessive blow by

Air Cleaner:

- Air filter condition-check the element for water or soot and clean as required

Controls / Instrumentation:

- Normal kill tested
- Emergency kill tested
- Oil pressure gauge in good condition
- Tachometer in good condition
- Throttle control in good condition
- Engine stop cable in good condition
- Engine start valve in good condition

Exhaust System:

- Pipework - check for any leak or damage
- Condition of exhaust wrap are in place and in good condition

Transmission, Gearbox:

- Check level Sight glass shows in full (SAE 90)
- Check condition of the gearbox breather filter

Hydraulic System:

- Check Hyd. Hoses/valve/connections undamaged and clean
- Hyd tank - drain any water
- Check hyd. oil level (2" from top) (Tellus 46)
- Check hyd. gauges
- Check condition of fittings & couplings

Fuel System:

- Check for any water contamination in the fuel filter sight bowl
- Fuel tank - drain any water
- Check for leaks on fuel lines, connections, and hoses
- Fuel filter - check condition
- Fill up the diesel tank to 90%

Please state the equipment readiness in either columns and spare used

Ready
 Not Ready

Ready to Next Job

Date : 25/7/2022
 Name : ADILE SAFAWYAH
 Position : FO

Please state any corrective actions and spare used.

Corrective Action Completion

Date :
 Name :
 Position :

Running Hours : 1123 H
 Maintenance Schedule : 25/7/2022

Checklist

Air System:

- Check visible leaks, ensure air up 90-110psi-check that gauge are GOOD
- Gauges condition
- Air reservoir / tanks - drain any water until that are clean
- Air hose, connections piping, valves and actuators condition
- All control working properly

Zone II System:

- Flame traps - check cleanliness
- Back pressure gauges - check condition
- Spark arrestor - check condition

Paddles / Agitator:

- Check oil level (SAE 90) NA
- Grease bearing NA
- Check agitators turn NA

C-Pump:

- C-Pump packing - check condition
- Check operation and shut-in pressure C Pump 1 C Pump 2
- A45 C-Pump > 45 psi - NA - 45 psi
- S46 C-Pump > 55 psi - NA - 47 psi
- Perform circulation test

Mixing tank & piping:

- Check condition of mixing tank & paddle
- Check condition of suction & discharge piping
- Check condition of B/F Valve & grease
- Check condition of safety railing w/comp.lock pin
- Mixing head + circulation jet - no cement build up

System Pressure:

- Fuel pressure@idle speed psi
- Fuel pressure@1800 RPM psi
- Oil pressure @ cold start psi 34
- Oil pressure @ 180deg F psi 69

Certifications:

- Sling condition/ Due on
- WPI due
- Load Test due

Not Ready

Signature: A