### ITEM MAINTENANCE

1. Check leakage and noise.
2. Open the feed water strainer.
3. Clean water level detecting rod and electrode holder.
4. Overhaul and inspection of the feed water check valve.
5. Clean inside filter of the cascade tank.
6. Check feed water pressure gauge and compound gauge.
7. Clean the inside of cascade tank.

### DRAINAGE OF THE FUEL SERVICE TANK

1. Drainage of the fuel service tank.
2. Check the smoke from funnel.
3. Check leakage and noise.
4. Clean the fuel strainer. Turn the handle every day.
5. Clean the strainer inside fuel oil pump pilot pump.
6. Inspection/adjustment of the coupling for fuel pump.
7. Inspection/adjustment of the oil thermostat and temperature indicator/adjuster.
8. Cleaning of Y-type oil strainer for fuel line.
9. Inspection/cleaning of fuel oil heater element.
10. Inspection of the fuel oil pump. Please contact Maker.
11. Examination/cleaning of the inside of the fuel service tank.

### INSPECTION/ADJUSTMENT OF BURNER

1. Check leakage and noise.
2. Maintenance of the burner body. baffle, shroud.
3. Inspection/adjustment for ignition rod.
4. Inspection of the nozzle tip.
5. Inspection/adjustment of the motor related parts of the damper.
6. Inspection of the dirt on flame eye/glass.
7. Inspection of the fuel oil solenoid valve.
8. Check leakage of the burner nozzle.
9. Inspection of the air register.
10. Inspection of the draft fan, ball bearing etc.
11. Check the windbox insulation.
12. Blow the water level gauge and control cylinder.
13. Blow the surface/bottom of the boiler.
15. Inspection of boiler inside from manhole. Scale, Corrosion.
16. Inspection of exhaust line inside clogged, leakage.
17. Inspection of every types of attached valves.
18. Inspection of the ball bearing of the relative motors grease.

### TEST FOR BURNER INTERLOCKING

1. Test for burner interlocking.
2. Check the insulation resistance of the motors. over 50MΩ.

### CHECK THE AMOUNT OF OIL IN THE FUEL TANK, HEATING TEMPERATURE, AND MAKE SURE TO DRAIN OF THE FUEL TANK.

1. Check the amount of oil in the fuel tank, heating temperature, and make sure to drain of the fuel tank.
2. Check the volume of water and dirt condition of cascade tank.
3. Check the open/close of water supply system valve and fuel system valve.
4. Check the water level of the boiler.
5. Check the steam pressure indicates below a set value.

### CHECK SOUND, VIBRATION AND OVERHEATING OF ATTACHED EQUIPMENTS.

1. Check sound, vibration and overheating of attached equipments.
2. Check leakage of piping system.
3. Check color of flame, noise and vibration.
4. Pressure gauge, pressure switch and thermostat works normally.
5. Check the water level and change of water surface by water level gauge.
6. Check the electricity ground in the power system.
7. Check the vibration of control panel.
8. Stop/start feed water pump normally.
9. Check the abnormal overheating in boiler body and other parts.
10. Check temperature of drain water and overheating of drain cooler.
11. Check the ampere meter shows normal value.

### MEASURE THE BOILER WATER ANALYSIS REGULARLY.

1. Measure the boiler water analysis regularly.
2. Blow the boiler regularly.
3. Check the amount of chemical is proper.

### OIL SYSTEM

1. Every day
2. Every 2 months
3. Every 3 months
4. Every 6 months
5. Every 6 months
6. On demand
7. When docked

### FUEL INJECTION SYSTEM

1. Every day
2. Every day
3. Every day
4. Every 1 week
5. Every 1 month
6. Every 2 months
7. Every 3 months
8. Every 3 months
9. Every 3 months
10. On demand
11. On demand

### BOILER SYSTEM

1. Every day
2. Every day
3. When Remove
4. Every 1 year
5. Every 1 year
6. Every 1 year

### ELECTRICITY SYSTEM

1. Every 1 month
2. Every 3 months
3. Every 1 year

### WATER TREATMENT

1. Preparation and Attention
2. During operation