# ENGINE ROOM HANDOVER WATCH

An entry will be made in the Engine Room Logbook referring to the completion of all checks as per this list. Any non-conformance must be raised to the attention of the Chief Engineer.

The Duty Engineer must:

* Wear appropriate PPE and report to the Engine room in time.
* Assess the situation and scope of the job to rectify the cause of an alarm before attempting any repairs.
* Inform 2E / CE whenever he is in doubt or requires assistance.
* Use appropriate Risk **management** tools such as Take 5, JHA, STOP Work and PTW before the commencement of any task during the watch.

The relieving watch **keepers** shall report to the Engine Room **at** appropriate time to ensure that they are fully aware of prevailing conditions and status of machinery. At handover of the watch, the relieving engineer must check and confirm the following information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Vessel: |  |  | Date: |  |

| **Checks** | | **Watch Code** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | |
|  | Read, understand, and sign any supplementary orders from the Chief Engineer. |  |  |  |  |  |  | |
|  | Confirm the status of all alarm conditions |  |  |  |  |  |  | |
|  | Understand Engine Room Watch Condition requirements and confirm current EWC. Refer to Engine Room Watch Conditions poster PS006 |  |  |  |  |  |  | |
|  | Confirm whether any equipment has been electrically isolated |  |  |  |  |  |  | |
|  | Confirm whether any equipment has been physically isolated and Tag out/Lock out applied |  |  |  |  |  |  | |
|  | Be aware of any equipment that is unavailable because of maintenance |  |  |  |  |  |  | |
|  | Operating with parameters outside the limits, and that requires close monitoring |  |  |  |  |  |  | |
|  | Confirm check main El. switchboard |  |  |  |  |  |  | |
|  | Confirm Sea Suction in use (H / L) |  |  |  |  |  |  | |
|  | Confirm engine room bilges free of oil |  |  |  |  |  |  | |
|  | Confirm visual check for leaks tank top and bilges |  |  |  |  |  |  | |
|  | **Aux Boilers:** |  |  |  |  |  |  | |
|  | * Boiler(s) in use P/S |  |  |  |  |  |  | |
|  | * Air fuel ratio / Excess air setting |  |  |  |  |  |  | |
|  | * Load |  |  |  |  |  |  | |
|  | * Combustion pattern and smoke colour |  |  |  |  |  |  | |
|  | **FO System:** |  |  |  |  |  |  | |
|  | * Tank for LSMGO Trans. Suction (Tank No:\_\_\_\_) |  |  |  |  |  |  | |
|  | * Tank for VLSFO Trans. Suction (Tank No:\_\_\_\_) |  |  |  |  |  |  | |
|  | * Tank for HSFO Trans. Suction (Tank No:\_\_\_\_\_) |  |  |  |  |  |  | |
|  | * VLSFO transfer pump status (Auto/Manual) |  |  |  |  |  |  | |
|  | * HSFO transfer pump status (Auto/Manual) |  |  |  |  |  |  | |
|  | * LSMGO transfer pump status (Auto/Manual) |  |  |  |  |  |  | |
|  | * Confirm HSFO/VLSFO Tank under heating |  |  |  |  |  |  | |
|  | * Main Engine FO (HSFO/VLSFO/LSMGO) |  |  |  |  |  |  | |
|  | * DG FO (HSFO/VLSFO/LSMGO) |  |  |  |  |  |  | |
|  | * Aux Boiler FO (HSFO/VLSFO/LSMGO) |  |  |  |  |  |  | |
|  | Check / Drain water from tanks H.O. Ser, Set / D.O. Ser, Set |  |  |  |  |  |  |
|  | **Generator(s):** |  |  |  |  |  |  |
|  | Confirm Generator(s) in use (Nos.\_\_\_\_\_\_) |  |  |  |  |  |  |
|  | Standby Generator (No.\_\_\_\_\_\_\_) |  |  |  |  |  |  |
|  | **Main Engine:** |  |  |  |  |  |  |
|  | * Turning Gear - engaged or disengaged (In / Out) |  |  |  |  |  |  |
|  | * ME J.C.W. heating Steam (Open /Close) |  |  |  |  |  |  |
|  | * M/E Indicator Cocks (Close/Open) |  |  |  |  |  |  |
|  | * M/E Scavenge Drains (Open/Close) |  |  |  |  |  |  |
|  | * ME Air Receiver in use (No.\_\_\_\_\_\_\_) |  |  |  |  |  |  |
|  | * Check M/E Turbo Charger Drains |  |  |  |  |  |  |
|  | * Check M/E Air Cooler Drains |  |  |  |  |  |  |
|  | * Check M/E Cylinder Lubricators |  |  |  |  |  |  |
|  | * Check Main Air Start Valve |  |  |  |  |  |  |
|  | * Confirm Main Engine Notice Period |  |  |  |  |  |  |
|  | Confirm status of main and emergency fire pump |  |  |  |  |  |  | |
|  | Check that Fire Alarm System is Normal |  |  |  |  |  |  | |
|  | Check ME C.W. Steam |  |  |  |  |  |  | |
|  | Check Cargo Pump(s) in use (                     ) |  |  |  |  |  |  | |
|  | Check Ballast Pump(s) in use (                       ) |  |  |  |  |  |  | |
|  | Check and confirm purifiers all O.K. |  |  |  |  |  |  | |
|  | Main air compressor is set to Auto (No. \_\_\_\_\_) |  |  |  |  |  |  | |
|  | Deck air compressor is in use |  |  |  |  |  |  | |
|  | Confirm if deck steam is use |  |  |  |  |  |  | |
|  | **Emission Gas Cleaning System (EGCS) – (If installed):** |  |  |  |  |  |  | |
|  | * Check the HMI panels in ECR and confirm no alarms or abnormalities. |  |  |  |  |  |  | |
|  | * Confirm the correct operating mode is selected in AMS (Harbour, Manoeuvring, Sea). Confirm the engines not in use are on standby mode. |  |  |  |  |  |  | |
|  | * Check visually A/E and M/E dampers are in order. |  |  |  |  |  |  | |
|  | * Check gas analyser and confirm all parameters are within normal range |  |  |  |  |  |  | |
|  | * Check the scrubber tower and all associated piping for any leaks. |  |  |  |  |  |  | |
|  | * Check S.W pumps, Inlet/outlet water modules and Confirm parameters are within normal range |  |  |  |  |  |  | |
|  | * If vessel is in port which doesn’t allow the use of EGCS, confirm overboard valves are shut and sealed |  |  |  |  |  |  | |
|  | **Ballast water treatment Plant – (If installed):** |  |  |  |  |  |  | |
|  | * Check no alarms in ECR AMS, Confirm operation of BWTS (Ballasting/De-ballasting) |  |  |  |  |  |  | |
|  | * Inspect BWTS room (NU tank level, Electrolyzer, Rectifier) |  |  |  |  |  |  | |
|  | * Check the Aconis in BWTS room and confirm all parameters are normal. No alarms are active. |  |  |  |  |  |  | |
|  | * Check the feed unit and heater in Engine room. |  |  |  |  |  |  | |
|  | * Check AFT peak filter unit and TRO unit if in use. |  |  |  |  |  |  | |
|  | **SCR (Selective Catalytic Reduction) system - (If installed):** |  |  |  |  |  |  | |
|  | * Confirm no alarms in AMS and ERCS HMI panels. |  |  |  |  |  |  | |
|  | * Confirm M/E is on Tier III mode and A/E LPSCR is running. |  |  |  |  |  |  | |
|  | * Check the LPSCR local panel, dosing unit, Reactor and Soot blower panels and confirm all parameters are normal. |  |  |  |  |  |  | |
|  | * Check the urea tank level and LPSCR supply unit. |  |  |  |  |  |  | |
|  | * Check HPSCR supply unit and Dosing unit, Venting/Sealing unit. |  |  |  |  |  |  | |
|  | **Ship Specific Checks and Tests:** |  |  |  |  |  |  | |
|  | Check SCR Air compressor, Air bottle and Air dryer. |  |  |  |  |  |  | |
|  | Check AHU Room. |  |  |  |  |  |  | |
|  | Check sanitary exhaust and sundry exhaust fans. |  |  |  |  |  |  | |
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| --- | --- | --- | --- |
| **Watch Period** | **Code** | **Off Duty Engineer Signature** | **On Duty Engineer Signature** |
|  | 1 |  |  |
|  | 2 |  |  |
|  | 3 |  |  |
|  | 4 |  |  |
|  | 5 |  |  |
|  | 6 |  |  |

Note: 1. Watch period is to be filled by the Duty Engineer.

2. When UMS mode the date is to be stated in the Watch Period and when on manned watch to provide the time.