Scope of activities for the type-A inspection of the STC-SV-(06-5-A) compressor

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| Item | | SYSTEM | UNIT/COMPONENT | | DUTY | | |
| 1 | | Devices for bearing temperature measurement | Temperature sensors TE-900251A/B, TE-900252A/B,  TE-900253A/B, TE-900254A/B, TE-900255A/B,  TE-900256A/B,TE-900257A/B and TE-900258A/B | | Checking cable continuity and verifying the indications on HMI.  Record the error value of the indications in the report and adjust it. | | |
| 2 | | Devices for shaft vibration measurement | Vibration sensors VXE-900261A/B, VYE-900261A/B,  VXE-900262A/B and VYE-900262A/B | | Checking the cable continuity. Measure the voltage of the vibration sensor and record the result of measurement in the report | | |
| 3 | | Devices for shaft vibration measurement | Vortex flow transmitters VXT-900261A/B,  VYT-900261A/B, VXT-900262A/B and VYT-900262A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 4 | | Devices for shaft position measurement | Position sensors VZE-900263A/B and  VZE-900264A/B | | Checking the cable continuity. Measure the voltage of the vibration sensor and record the result of measurement in the report | | |
| 5 | | Devices for shaft position measurement | Vortex flow transmitters VZT-900263A/B and VZT-900264A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 6 | | Devices for phase angle measurement (Keyphasors) | Vibration sensor VE-900260A/B | | Checking the cable continuity. Measure the voltage of the vibration sensor and record the result of measurement in the report | | |
| 7 | | Devices for phase angle measurement (Keyphasors) | Vortex flow transmitter  VT-900260A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 8 | | Seal gas filter | Differential pressure transmitters  PDIT-900251A/B and PDIT-900284A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 9 | | Measuring instruments | Pressure gauge   |  | | --- | | PG-900285A/B | | | Checking the measuring instrument and verifying the indications. | | |
| 10 | | Measuring instruments | Pressure transmitters PIT-900290A/B, PIT-900283A/B,  PIT-900288A/B, PIT-900289A/B, PIT-900297A/B,  PIT-900298A/B, PIT-900299A/B, PIT-900294A/B,  PIT-900295A/B and PIT-900296A/B, PIT-900293A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 11 | | Measuring instruments | Temperature sensor TE-900289A/B | | Checking the cable continuity. Measurement of the temperature sensor resistance and comparison with tabular values. Functional test of the measurement circuit. | | |
| 12 | | Measuring instruments | Temperature transmitter TT-900289A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 13 | | Devices for temperature measurement (oil supply line) | Temperature sensor TE-900279A/B | | Checking the cable continuity. Measurement of the temperature sensor resistance and comparison with tabular values. Functional test of the measurement circuit. | | |
| 14 | | Devices for temperature measurement (oil supply line) | Temperature transmitter TT-900279A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 15 | | Acoustic enclosure – inlet | Differential pressure transmitter PDIT-900269A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 16 | | Acoustic enclosure – inlet | Temperature sensors   |  | | --- | | TE-900270A/B, TE-900281A/B,  TE-900282A/B and TE-900291A/B | | | Checking the cable continuity. Measurement of the temperature sensor resistance and comparison with tabular values. Functional test of the measurement circuit. | | |
| 17 | | Acoustic enclosure – inlet | Limit switches  ZS-900284A/B and ZS-900285A/B | | Checking the switching signal. | | |
| 18 | | Acoustic enclosure – casing | Differential pressure transmitter  PDIT-900273A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 19 | | Acoustic enclosure – casing | Temperature transmitters  TT-900274A/B,TT-900275A/B and TT-900276A/B | | Verifying the indications. Calibration if the errors exceed the accuracy class. | | |
| 20 | | Acoustic enclosure – casing | Switches HS-900279A/B and HS-900280 A/B | | Checking the switching signal. | | |
| 21 | | Acoustic enclosure – outlet | Limit switches  ZS-900287A/B and ZS-900288A/B | | Checking the switching signal. | | |
| 22 | | Devices for flow rate measurement (oil return line) | Sight flow indicators FG-900275A/B, FG-900276A/B and FG-900277A/B | | Checking the flow rate and oil level in the sight flow indicator. | | |
| 23 | | Limiting anti-surge control system | Anti surge valve FV080201A/B | | Force the position from the HMI panel. Check valve response.  Checking the valve stem and seal for leaks. | | |
| 24 | | Pressure control valve | Pressure control valves  PCV-900282A/B, PCV-900293A/B and  PCV-900294A/B | | Checking the valve stem and seal for leaks. | | |
| 25 | | Oil mist eliminator | Blower M-900279A/B | | Checking correct start-up/shutdown. | | |
| 26 | | Pipeline and valves | Oil, process gas, seal gas, drain, auxiliary, control air and instrument lines | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 27 | | Acoustic enclosure – inlet | Heating systems H-900258A/B,  H-900259A/B and H-900260A/B | | Checking the operating parameters (on/off temperature) and write it down in the report | | |
| 28 | | Acoustic enclosure – outlet | Motors (of the blower) VM-900271A/B and  VM-900272A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 29 | | Seal gas filter | Filters F-900251A/B, F-900252A/B,  F-900253A/B and F-900254A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 30 | | Seal gas filter | Filters F-900251A/B, F-900252A/B,  F-900253A/B and F-900254A/B | | Checking the operating parameters: differential pressure. Write it down in the report. | | |
| 31 | | Oil mist eliminator | Blower M-900279A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 32 | | Oil mist eliminator | Filter F-900279A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 33 | | Acoustic enclosure – inlet | Filter F-900269A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 34 | | Acoustic enclosure – inlet | Filter F-900269A/B | | Checking the operating parameters: differential pressure. Write it down in the report. | | |
| 35 | | Acoustic enclosure – inlet | Screen S-900269A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 36 | | Acoustic enclosure – outlet | Screen S-900270A/B | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 37 | | Pipeline and valves | Oil, process gas, seal gas, drain, auxiliary, control air and instrument lines | | Checking pipe anchors, expansion joints, etc. | | |
| 38 | | Seal gas filter | Changeover valve | | Checking for leaks and damage. Removing any leaks and damage. | | |
| 39 | | Anti-surge control system | Position regulator | | Clean the control air strainer | | |
| 40 | | Anti surge control system | Safety valve | | Checking operation. | | |
| 41 | | Filter and panel of sealing gas | Filters | | Replacing the sealing gas and separation gas filters (provided by the Employer) | | |
| 42 | | Filter and panel of sealing gas | Gate valves langley | | Testing operation and checking leaking on valve seat. | | |
| 43 | | Filter and panel of sealing gas | Check valve | | Testing operation. | | |
| 44 | | Filter and panel of sealing gas | Pressure transmitters SITRANS | | Checking transmitter readings in initial range area. | | |
| 45 | | Filter and panel of sealing gas | Temperature transmitters SITRANS | | Checking and record in the report transmitter indications, calibrate if indications are divergent. | | |
| 46 | | Oil mist eliminator | Shunt air filter | | Clean | | |
| 47 | | Oil mist eliminator | Motor of the blower | | Measure noise and/or vibration levels and record them in the report. | | |
| 48 | | Acoustic enclosure – inlet | Heating system | | Checking the electrical connections condition, measure the heater insulation resistance value, checking the condition of grounding, sealing and choking. Checking the correct functioning of the system (write down in the report switching on and off thresholds, correctness of heater operation). | | |
| 49 | | Acoustic enclosure – outlet | Fans | | Actuating the ventilation system. Make sure that the system settings are within the specified parameters(measure and write it down in the report) and all components are working properly.  Check the correct operation of the fan motor emergency stop button.  Checking the hoses and components for damage and leakage.  Checking the condition of the ventilation system's filter elements. Replacing the filter if necessary (provided by the Employer) | | |
| 50 | | Acoustic enclosure – outlet | Motors of the fans | | Measure and write it down in the report the winding resistance and winding insulation resistance. | | |
| 51 | | Coupling | | | Between the compressor and the gas turbine | | Check on axial and radial alignment to ensure that these are still within the allowable misalignment figures for the coupling;  Checking the seating of the coupling and aligning the components in relation to each other where necessary;  Check that all bolts, nuts and screws are correctly tightened. |

Scope of activities for the type-A inspection of the SGT-100N-2s gas turbine

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| --- | --- | --- | --- |
| **Item** | **SYSTEM** | **UNIT/COMPONENT** | **DUTY** |
| 1 | Gas generator | Shaft position sensor | Checking cable continuity. |
| 2 | Gas generator | Variable stator blade mechanism system (VB) | Visually inspecting the actuating component, drive mechanism and blade levers.  Checking the fasteners.  Checking and recording the position of the ring. |
| 3 | Gas generator | Rotor unit | Inspecting compressor blades and compressor turbine blades using a boroscope. |
| 4 | Gas generator | Air inlet enclosure | Checking if the air inlet screen is not damaged. |
| 5 | Gas generator | Resistance temperature detectors (RTDs) | Checking the cable continuity. Measurement of the temperature sensor resistance and comparison with tabular values. Functional test of the measurement circuit. |
| 6 | Gas generator | Speed sensors SE-900160A/B and SE-900162A/B | Verifying the indications. |
| 7 | Gas generator | Vibration sensors VE-900151A/B, VE-900153A/B, VE-900155A/B and VE-900157A/B | Checking the cables.  Verifying the indications. |
| 8 | Gas generator | Vibration sensors (axial) GE-900151A/B and GE-900153A/B | Checking the cables.  Checking the voltage for extreme positions. |
| 9 | Gas generator | Thermocouple – internal line, outlet and middle enclosure, TE-900163A/B and TE-900164A/B | Conducting a visual inspection (by removing the component). Verifying the indications. |
| 10 | Gas generator | Thermocouple – thrust bearings and radial bearings of the gas generator, TE-900173A/B, TE-900174A/B, TE-900175A/B and TE-900177A/B | Checking cable continuity.  Verifying the indications. |
| 11 | Gas generator | Primary part of the turbine engine | Conducting a visual inspection for signs of external damage or corrosion. |
| 12 | Auxiliary systems (wash system) | Automatic solenoid drain valve | Conducting a functional test. |
| 13 | Auxiliary systems (wash system) | Water filter (XF27). | Cleaning. |
| 14 | Auxiliary systems (wash system) | Pressure gauges | Conducting a visual inspection for damage and leaks. Verifying the indications. |
| 15 | Auxiliary systems (wash system) | Shutoff and vent valves | Checking the valves for leaks and unrestricted opening/closing. |
| 16 | Auxiliary systems (wash system) | Pressure transmitters (PT172, PT185), PIT-900172 and PIT-900185 | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 17 | Auxiliary systems (wash system) | Level transmitters in the drain tanks, LT-900153A/B and LT-900154A/B | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 18 | Auxiliary systems (wash system) | Water manifold valve (XV429) | Conducting a functional test and checking for leaks around the ball valve. |
| 19 | Auxiliary systems (wash system) | Automatic drain valve | Checking the drain lines for leaks and correct operation. Conducting a functional test of the limit switches and adjusting them where necessary. Conducting a functional test of the vent valve. |
| 20 | Auxiliary systems (wash system) | Drain tank | Conducting a visual inspection for safety, signs of damage and leaks. |
| 21 | Auxiliary systems of the core engine | Wash system filter | Inspecting and cleaning. |
| 22 | Auxiliary systems of the core engine | Interstage vent valve and pilot valve | Checking if the discharge is free of oil and contaminants; disassembling and cleaning the valves if oil or contaminants are found. Conducting a functional test during turbine start-up. |
| 23 | Auxiliary systems of the core engine | Flow opening, solenoid vent valve of the relief valve | Checking for blockages. |
| 24 | Auxiliary systems of the core engine | Shutoff and vent valves | Conducting a visual inspection for damage. Checking for leaks. Checking for unrestricted closing/opening. |
| 25 | Auxiliary systems of the core engine | Pressure transmitters (PT-900175A/B and PT-900174A/B) | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 26 | Auxiliary systems of the core engine | Flexible pipe P2, vent outlet and water supply | Conducting a visual inspection for material fatigue. Checking for leaks during turbine operation. |
| 27 | Auxiliary systems of the core engine | Pipelines of the core engine | Conducting a visual inspection for cracks, leaks and damage. Checking the stability of pipeline supports. |
| 28 | Auxiliary systems of the core engine | Electrical equipment | Checking if all terminal covers are secured and if all fasteners are in place. If the covers were opened after the previous maintenance activities – checking if all seals and surfaces are in good condition. |
| 29 | Auxiliary systems of the core engine | Solenoid valve, relief valve | Conducting a functional test. |
| 30 | Auxiliary systems of the core engine | P2 relief valve | Checking if the valve stroke conforms to the specifications when compared with activation using the manual method and solenoid. Calibrating where necessary. Inspecting the lines and the pipeline. |
| 31 | Auxiliary systems of the core engine | Variable guide vane (VGV) assembly | Activating actuator calibration (ZX1). Starting the actuator and checking if it operates smoothly.  Checking the blade angles during start-up/operation. Checking if the feedback values are correctly indicated on the HMI panel. |
| 32 | Turbine baseplate structure, enclosure and air supply / exhaust systems | Turbine baseplate structure | Checking the paint condition on the baseplate structure and make a recommendation if further actions are required Checking the drain lines in the internal partitions for blockages. |
| 33 | Turbine baseplate structure, enclosure and air supply / exhaust systems | Technical enclosure | Inspecting the internal panels of the enclosure for damage and make a recommendation if further actions are required. Checking the paint condition outside the enclosure and make a recommendation if further actions are required . Cleaning the internal surfaces of the enclosure where necessary.  Checking the hinges, locking mechanisms and seals for damage; Repair or replace as necessary as part of an Additional Work. Lubricating hinges and locks. Verifying the indications. Calibration of the differential pressure transmitter and verification of indications on the HMI panel if the errors exceed the accuracy class. |
| 34 | Turbine baseplate structure, enclosure and air supply / exhaust systems | Enclosure ventilation system | Starting the ventilation system. Checking if system settings are within the specified parameter range(write it down to the report) and if all components function correctly. Conducting a functional test of the fan motor emergency stop button. Inspecting the lines and components for damage, poor condition and leaks. Checking the condition of filter elements in the ventilation system and replacing them where necessary (filters provided by Ordering Party). |
| 35 | Turbine baseplate structure, enclosure and air supply / exhaust systems | Air and exhaust system | Inspecting the lines and components for damage, poor condition and leaks. Checking the condition of filter elements in the air and exhaust system and replacing them if they are damaged or excessively contaminated (filters provided by Ordering Party). Conducting a functional test of the pulse jet cleaning system. Checking the condition of the flange bolts at the outlet. Checking the outlets for damage, poor condition and leaks. Verifying the indications. Calibration of the differential pressure transmitter and verification of indications on the HMI panel if the errors exceed the accuracy class. |
| 36 | Control panels and various electrical equipment | Battery charging | Conducting a functional test of all fuses and lamps. Replacing if damaged. Checking for burns. |
| 37 | Control panels and various electrical equipment | Control cabinet of the turbine – General | Conducting a visual inspection and removing any accumulated dust. Checking the functioning of the main on/off switch. Checking the operation of internal lighting. Conducting a functional test of all buttons, lamps and fuses. Replacing if damaged. Conducting a functional test of fans in the cabinet. Cleaning the filters of cabinet fans. Conducting a functional test of the PC fan on the rack. Conducting a functional test of the DC oil pump circuit.  Checking the shutdown by the overspeed board.  Conducting a functional test of the emergency stop switch.  Conducting a functional test of the watchdog system.  Check the clock settings in the Windows system of the HMI computer and PLC controller, if there is a difference, synchronize with the time of the HMI. |
| 38 | Auxiliary gearbox | General | Conducting a measure of gearbox vibration and noise. Conducting a visual inspection for signs of external damage or corrosion. |
| 39 | High-performance turbine | Turbine unit | Checking the blades using a boroscope. |
| 40 | High-performance turbine | Turbine unit | Conducting a visual inspection for signs of external damage or corrosion. |
| 41 | High-performance turbine | Speed sensors SE-900181A/B and SE-900183A/B | Checking the output signal and resistance. Write it down to the report. |
| 42 | High-performance turbine | Vibration sensors VE-900159A/B, VE-900161A/B, VE-900163A/B and VE-900165A/B | Checking the cables.  Verifying the indications. |
| 43 | High-performance turbine | Thermocouple, thrust bearings and radial bearings, TE-900179A/B, TE-900185A/B, TE-900187A/B and TE-900190A/B | Verifying the indications. |
| 44 | Fuel system | Gas inlet screen – XF38 | Checking and cleaning where necessary. |
| 45 | Fuel system | General | Conducting a visual inspection for integrity of the system and signs of external damage or corrosion. Checking the pipeline for signs of damage and leaks. Checking if all valves operate correctly. |
| 46 | Fuel system | Temperature transmitter – TT6 (TIT-900160A/B) | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 47 | Fuel system | Pressure transmitters PT-900168A/B, PT-900170A/B, PT-900178A/B and PT-900178A/B | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 48 | Fuel system | Heating cables | Conducting a functional test and checking the insulation for damage. |
| 49 | Fuel system | Main line and flexible pipes | Checking the external surface for signs of damage and wear. |
| 50 | Fuel system | Shutoff and calibration valves. | Conducting a functional test and checking for leaks. |
| 51 | Fuel system | Fuel valves and actuator assemblies – XV149 and XV150 | Checking the stuffing boxes of the fuel valve for leaks. |
| 52 | Fuel system | Fuel valves and actuator assemblies – XV149 and XV151 | Checking for reliable operation and absence of excessive move. |
| 53 | Air distribution system | General | Conducting a visual inspection of oil system pipelines, instrumentation and devices. |
| 54 | Air distribution system | Manual shutoff valve and filter assembly. | Conducting an inspection and cleaning/replacing the filter element (XF102). |
| 55 | Air distribution system | Manual shutoff valve and filter assembly. | Conducting a functional test and checking the shutoff valve for leaks (HV220). |
| 56 | Air distribution system | Electrical equipment | Checking if all terminal covers are secured and if all fasteners are in place. If the covers were opened after the previous maintenance activities – checking if all seals and surfaces are in good condition. |
| 57 | Start-up system | Filter element | Replacing. |
| 58 | Start-up system | General | Conducting a visual inspection of oil system pipelines, instrumentation and devices. Checking oil condition (purity). Confirm that it meets the manufacturer's requirements. |
| 59 | Start-up system | Hydraulic pump and electric motor | Measure the operating noise level and/or vibration level using handheld vibration analyser . Write it down to the report. Checking the couplings and bolt tightening. Checking for leaks. Conducting a functional test of local stop buttons. Conducting a functional test of the solenoid valve of the pump. Checking the integrity of thermistor cables. |
| 60 | Start-up system | Hydraulic motor | Measure the operating noise level and/or vibration level using handheld vibration analyser . Write it down to the report.  Checking the fasteners. |
| 61 | Start-up system | Coupling | Inspecting the coupling. |
| 62 | Start-up system | Electrical equipment | Checking if all terminal covers are secured and if all fasteners are in place. Conducting a functional test of the solenoid valves in the system. If the covers were opened after the previous maintenance activities – checking if all seals and surfaces are in good condition. |
| 63 | Lube oil system | Oil cooler | Testing the manual reset function. |
| 64 | Lube oil system | Oil mist eliminator | Checking if the device turns freely and inspecting for signs of wear and damage. Checking the couplings and bolt tightening in the context of safety and measuring the resistance of motor windings. |
| 65 | Lube oil system | Oil filter, main line | Replacing the filter element. Conducting a visual inspection of the differential pressure indicator (PDI190) for damage and leaks. |
| 66 | Lube oil system | Filter, emergency oil pump | Replacing the filter element. |
| 67 | Lube oil system | Submersible heaters, oil tank | Conducting a functional test. Checking the settings and testing the thermostat of the heater. |
| 68 | Lube oil system | Submersible heaters, oil cooler | Conducting a functional test. Checking the settings and testing the thermostat of the heater. |
| 69 | Lube oil system | General | Conducting a visual inspection of oil system pipelines, instrumentation and devices. |
| 70 | Lube oil system | General | Checking lube oil condition at a laboratory with accreditation matching the oil type. Note: Refer to Fluids Specification Document No. 65/0027 |
| 71 | Lube oil system | General | Checking/examining the oil consumption tendency – analyzing monthly consumption reports provided by Ordering Party. |
| 72 | Lube oil system | Pressure gauges | Conducting a visual inspection for damage and leaks. Verifying the indications. |
| 73 | Lube oil system | Pressure Relief valves | Conducting a visual inspection for damage and leaks. |
| 74 | Lube oil system | Pressure Relief valves | Testing. Record in the report the pressure level response. Conducting calibration where necessary. |
| 75 | Lube oil system | Combined isolating and vent valves. | Conducting a visual inspection for damage. Checking for leaks. Checking the position. |
| 76 | Lube oil system | Oil pumps – primary, secondary and emergency pump | Conducting a visual inspection for leaks. |
| 77 | Lube oil system | Level gauge, oil tank | Conducting a visual inspection for damage and leaks. |
| 78 | Lube oil system | Temperature switch, oil heater thermostat | Conducting a functional test. Checking and write down in the report the setting and testing the thermostat of the heater. |
| 79 | Lube oil system | Temperature switch, oil heater thermal cutoff | Checking the settings. |
| 80 | Lube oil system | Flame arresters | Checking smoke visibility at maximum load. If visible dirt clean with compressed air. |
| 81 | Lube oil system | Pressure transmitters PIT-900151A/B and PIT-900152A/B | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 82 | Lube oil system | Filter fouling indicator | Replacing the filter element. Conducting a visual inspection of the differential pressure indicator (PDI1) for damage and leaks. |
| 83 | Lube oil system | Local stop buttons | Conducting a functional test. |
| 84 | Lube oil system | Flexible pipes | Visual inspection. Checking for leaks. |
| 85 | Lube oil system | Electric motors | Measure and write it down to the report the operating noise level and/or vibration level using handheld vibration analyser . Conducting a visual inspection of primary suction pump tank seals. Note: The primary suction pump seal should be replaced at 8-year intervals (next change 2024). Conducting a functional test of the emergency oil pump. |
| 86 | Lube oil system | Electrical equipment | Checking if all terminal covers are secured and if all fasteners are in place. If the covers were opened after the previous maintenance activities – checking if all seals and surfaces are in good condition. |
| 87 | Lube oil system | Differential pressure indicator PDIT-900153A/B | Conducting a visual inspection for damage and leaks. |
| 88 | Lube oil system | Oil level indicator LIT-900152A/B | Verifying the indications. |
| 89 | Lube oil system | Temperature transmitters TIT-900151A/B, TIT-900152A/B, TIT-900153A/B, TIT-900154A/B and TIT-900155A/B | Verifying the indications. Calibration if the errors exceed the accuracy class. |
| 90 | Lube oil system | Flow indicators | Checking correct flow and absence of leaks. |
| 91 | Lube oil system | Filter changeover valves, primary filter unit | Conducting a visual inspection for damage. Checking for leaks. Checking for unrestricted switching. |
| 92 | Lube oil system | Manual valves | Conducting a visual inspection for damage. Checking for leaks. |
| 93 | Lube oil system | Manual valves, primary filter unit | Conducting a visual inspection for damage. Checking for leaks. |
| 94 | Lube oil system | Pressure control valve | Conducting a visual inspection for damage and leaks. Checking spring settings. Conducting a functional test of solenoid valves |
| 95 | Lube oil system | Temperature control valve | Checking insulation resistance and continuity of electrical cables. |
| 96 | Lube oil system | Drain valve | Conducting a visual inspection for damage. Checking for leaks. |
| 97 | Lube oil system | Check valve (one-way valve) | Conducting a functional test. |
| 98 | Lube oil system | Oil tank | Checking the oil level in the tank. Comparing the indications of the analogue level gauge with the digital level gauge. |
| 99 | Combustion system | General | Conducting a boroscope inspection of the combustion system for signs of damage or corrosion. |
| 100 | Combustion system | DLE burners | Disassemble and inspect pilot burners for damage and discoloration. Make photo documentation and include in the report. |
| 101 | Combustion system | Flame tubes | Inspecting the flame tubes using a boroscope.  Additionally, once 18,000EOH is reached, perform a precise visual inspection for signs of damage or corrosion.  In both cases, make a photo documentation and include it in the report |
| 102 | Combustion system | Transition lines | Inspecting the transition lines using a boroscope.  Additionally, once 18,000EOH is reached, perform a precise visual inspection for signs of damage or corrosion.  In both cases, make a photo documentation and include it in the report |
| 103 | Fire and gas leak detection system | Ventilation shutters | Visual inspection. Conducting a functional test. Checking if the pressure relief dampers function correctly. Conducting a visual inspection of position switches. |
| 104 | Fire and gas leak detection system | Solenoid valves, ventilation shutters | Conducting a visual inspection and checking for leaks. |
| 105 | Fire and gas leak detection system | Check valves (one-way valves), ventilation shutters | Conducting a visual inspection and checking for leaks. |