



AFLOAT
MAIN PROPULSION
Gas Turbine
Checklist

UPDATED October 2025

**SAFETY REVIEW ITEMS - Main Propulsion (Gas Turbine)
Main Shafting/Spring Bearings**

ARE THERMOMETERS INSTALLED?

REF: NSTM 244-2.4

ARE BEARING SUMP DRAINS PROPERLY INSTALLED?

REF: EDORM 3540.3 Series 4407

IS PHYSICAL SECURITY IN PLACE FOR EQUIPMENT REQUIRING LOCKS OR LOCKING DEVICE?

REF: EDORM 3540.3 Series 4407

NSTM 604 (Table 604-1-2, p. 604-6; Table 604-2-1, p. 604-9)

ARE BULKHEAD SEALS IN GOOD MECHANICAL CONDITION, SELF ALIGNING AND CAPABLE OF BEING ACTIVATED FROM EITHER SIDE OF THE BULKHEAD AND NOT IN CONTACT WITH THE SHAFT WHEN NOT IN USE?

REF: PMS MIP 2400 Series

Main Shaft Seal

IS EMERGENCY PACKING / INFLATION HOSES STOWED IN VICINITY OF STERN TUBE SEAL?

REF: NSTM 244-6.5

ARE COOLING WATER PIPING/VALVES IN GOOD OVERALL CONDITIONS (NO SIGNS OF LEAKAGE, DENTS, GOUGES, CORROSION, ETC.)?

REF: NSTM 505

NSTM 244-6.4 FIGURE 244-6-12

ARE GAUGES INSTALLED/CALIBRATED?

REF: NSTM 504-3.7

PMS MIP 9802 SERIES

IS THERE A MEANS FOR INFLATING SEAL?

REF: PMS MIP 2400 Series

NSTM 244-6.3

IS PMS BEING ACCOMPLISHED ON CO2/N2 BOTTLE FOR SEAL?

REF: PMS MIP 2400 Series

IS THERE A SHAFT SEAL COOLING WATER SYSTEM OPERATING INSTRUCTION AND CASUALTY CONTROL PROCEDURES AVAILABLE FOR THE WATCH STANDERS?

REF: EOSS

GTM

ARE GAS TURBINE MODULES FREE OF FUEL OIL LEAKS?

REF: GGTB 17

NSTM 505-8.3

ARE GAS TURBINE MODULES FREE OF LUBE OIL LEAKS?

REF: GGTB 17

NSTM 505-8.3

CAN THE SHIP PROVIDE DOCUMENTATION WHEN THE GTM FIRE STOPS, FIRE ALARMS AND FLAME DETECTORS WERE SATISFACTORY TESTED IAW PMS?

REF: PMS MIP 2521 SERIES

ARE GTM MODULE FIRE ALARMS OPERATIONAL AND DO ALARMS SOUND IN CENTRAL CONTROL STATIONS?

REF: PMS MIP 2521 Series

ARE ELECTRICAL CONNECTIONS FREE OF CORROSION, PROPERLY INSULATED AND WIRE LOCKED?

REF: NSTM 234-2.2
PMS MIP 2340 Series

IS MODULE LIGHTING OPERATIONAL, INTACT AND SHIELDED AND WIRE LOCKED?

REF: PMS MIP 3301 Series
NSTM 634-9.5

ARE MAIN ENGINE AND MODULE COMPONENTS WIRE LOCKED?

REF:

ARE GTM VENTILATION DAMPERS CLEAN AND OPERATIONAL?

REF: PMS MIP 2340 Series
NSTM 234-3.5

ARE UPTAKE SPACES IN SATISFACTORY CONDITION AND FREE OF COMBUSTIBLES?

REF: NSTM 555

ARE INTAKES/UPTAKES THERMAL AND ACOUSTIC INSULATION PERIODICALLY EXAMINED FOR DETERIORATION? ARE UPTAKE SPACES IN SATISFACTORY CONDITION AND FREE OF COMBUSTIBLES?

REF: NSTM 555
PMS MIP 2513
NSTM 234-5.8

ARE INTAKE/UPTAKE THERMAL AND ACOUSTIC INSULATION FREE WATER/OIL SOAKED?

REF: PMS MIP 2591 Series
PMS MIP 2513
NSTM 234-5.8

IS PROTECTIVE CLOTHING AVAILABLE/UTILIZED WHILE HANDLING SYNTHETIC LUBE OIL MIL-23699?

REF: NSTM 670 Vol II
GTB 32
PMS MIP 2340 Series

ARE FUEL OIL FILTER/COALESCES OPERATIONAL AND FREE OF LEAKS?

REF: NSTM 505-8.3

ARE DEMISTER PADS/AGGLOMERATOR PANELS CLEAN AND IN GOOD MATERIAL CONDITION?

REF: NSTM 234-3.5
PMS MIP 2513 Series

ARE BLOW IN DOORS IN GOOD MATERIAL CONDITION?

REF: GGTB 27

NSTM 234-3.5
PMS MIP 2513 Series

ARE GTM INSPECTIONS CONDUCTED PRIOR TO PRE-AVAILABILITY AND DEPLOYMENT?
REF: JFMM VOL 4 CH 23-3

IS THERE EVIDENCE OF EXHAUST GAS LEAKS FROM GTM EXHAUST DUCTING?
REF: PMS MIP 2591 Series
PMS MIP 2513 Series

GTG

ARE GAS TURBINE GENERATOR MODULES FREE OF FUEL OIL LEAKS?
REF: GGTB 17
NSTM 505-8.3

ARE GAS TURBINE GENERATOR MODULES FREE OF LUBE OIL LEAKS?
REF: GGTB 17
NSTM 505-8.3

ARE GTG MODULE FIRE ALARMS OPERATIONAL AND DO THEY SOUND IN CENTRAL CONTROL STATION?
REF: NSTM 234-9.5

ARE ELECTRICAL CONNECTIONS FREE OF CORROSION, PROPERLY INSULATED AND LOCK WIRED?
REF: NSTM 234-9.5
PMS MIP 3113 Series

ARE GTG MODULE LIGHTING OPERATIONAL, INTACT AND PROPERLY LOCK WIRED?
REF: NSTM 234-9.5
PMS MIP 3301 Series

ARE GTG AND MODULE COMPONENTS PROPERLY LOCK WIRED?
REF: NSTM 234-9.5

ARE GTG OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS POSTED?
REF: OPNAVINST 5100.19 Series C-13
NAVSEA LTR SER DTG 24OCT79

ARE GTG DEMISTER PADS/AGGLOMERATOR PANELS CLEAN AND IN GOOD MATERIAL CONDITION?
REF: PMS MIP 3431 Series
NSTM 234-3.5

ARE GTG BLOW-IN DOORS OPERATIONAL AND IN GOOD MATERIAL CONDITION?
REF: NSTM 234-3.5
PMS MIP 3431 Series

IS THERE EVIDENCE OF EXHAUST GAS LEAKS FROM GTG EXHAUST DUCTING?
REF: PMS MIP 2591 Series

ARE GTG INSPECTION CONDUCTED PRIOR TO PRE-AVAILABILITY AND DEPLOYMENT?
REF: JFMM VOL 4 CH 23-3

WASTE HEAT BOILERS

ARE AUDIBLE ALARMS FOR BOILER OPERATIONAL AT WHB CONTROL PANEL?
REF: NSTM 221-3.4
MIL B-16747C

IS SAFETY VALVE HAND EASING GEAR INSTALLED AND OPERABLE?
REF: NSTM 221-3.2

ARE RELIEF VALVES TESTED AND TAGGED INDICATING PRESSURE TESTED, DATE AND TESTING ACTIVITY?
REF: NSTM 505-9.17
PMS MIP 5172/006 Series

ARE OPERATION/SAFETY PLACARDS POSTED AT THE SAMPLE COOLERS?
REF: NSTM 220-27.12

ARE OPERATION/SAFETY PLACARDS POSTED AT EACH CHEMICAL INJECTION TANK?
REF: NSTM 220-21.12

ARE CHAINS INSTALLED ON GAGE GLASS CUTOUTS?
REF: NSTM 221-3.4

IS THERE EVIDENCE OF EXHAUST GAS LEAKS FROM THE BOILER CASING?
REF: NSTM 221-5.5

ARE BOILER ROUTINE AND 5 YEAR INSPECTIONS WITHIN PERIODICITY?
REF: JFMM VOL 4 CH 3-3.6.4

CRP SYSTEM

IS HOPM (HYDRAULIC OIL POWER MODULE) FREE OF OIL LEAKS AND ARE GAUGES CALIBRATED?
REF: NSTM 556-11.3
NSTM 504-3.71

ARE HOPM (HYDRAULIC OIL POWER MODULE) GAUGES CALIBRATED?
REF: NSTM 504-3.71
NSTM 556 -11.3

IS OD BOX (OIL DISTRIBUTION) FREE OF OIL LEAKS?
REF: NSTM 556-11.3

IS PRAIRIE AIR ROTOSEAL FREE OF LEAKS AND PROPERLY LUBRICATED?
REF: PMS MIP 2451/006 Series

ARE HYDRAULIC HOSES FOR EMERGENCY PITCH OPERATION AVAILABLE AT OD BOX AND IN GOOD MATERIAL CONDITION?
REF: EOP/EOCC
NAVSEA S6430-AA-TED-010

HEARING CONSERVATION

ARE NOISE HAZARD SIGNS POSTED IAW THE INDUSTRIAL HYGIENE SURVEY?

REF: OPNAVINST 5100.19 Series B-4

ARE HEARING PROTECTION DEVICES AVAILABLE FOR PERSONNEL WORKING IN OR ENTERING DESIGNATED HAZARDOUS NOISE AREA OR UTILIZING HAZARDOUS TOOLS OR EQUIPMENT?

REF: OPNAVINST 5100.19 Series B-4

ARE PERSONNEL WEARING HEARING PROTECTIVE DEVICES WITHOUT CONSIDERATION FOR THE DURATION OF THE EXPOSURE?

REF: OPNAVINST 5100.19 Series B-4

HEAT STRESS

ARE HEAT STRESS THERMOMETERS HUNG WITH A NON-CONDUCTING MATERIAL SUCH AS PLASTIC TIE-WRAP OR STRING (NEVER HUNG WITH METAL WIRE) AND POSITIONED TO MINIMIZE THE INFLUENCE OF ADJACENT OR LOCAL HEAT OR COLD SOURCES?

REF: OPNAVINST 5100.19 Series B-2

ARE THERMOMETERS VALIDATED BY ALIGNING THE ETCH MARK WITH THE FREEZING POINT (32 DEGREES FAHRENHEIT)?

REF: OPNAVINST 5100.19 Series B-2

SIGHT CONSERVATION

ARE PROPER EYE/FACE WASH UNITS AVAILABLE WHERE REQUIRED AS IDENTIFIED IN THE BASELINE AND/OR RECENT INDUSTRIAL HYGIENE SURVEY?

REF: OPNAVINST 5100.19 Series B-5

ARE REQUIRED EYE WASH STATION LOCATION SIGNS POSTED AND POTABLE WATER SUPPLY VALVES LOCKED OPEN WITH A METAL, TAMPER- PROOF LANYARD AND MARKED AS A "W" (OR "CIRCLE "W") FITTING?

REF: OPNAVINST 5100.19 Series B-5

ARE POTABLE WATER SUPPLY VALVES LOCKED OPEN WITH A METAL, TAMPER-PROOF LANYARD AND MARKED "W" (OR "CIRCLE "W") FITTING?

REF: OPNAVINST 5100.19 Series B-5

DECK PLATES AND GRATING

ARE DECK PLATES FIRMLY FASTENED WITH 1.25 FASTENERS PER SQUARE FOOT OF PLATE BUT NO LESS THAN TWO AND INSTALLED ON DIAGONALLY OPPOSITE SIDES?

REF: NAVSEA DWG 803-1340709 note (1)

ARE ACCESS LADDERS SECURELY FIXED IN PLACE?

REF: NAVSEA DWG 803-1340709 note (1)

ARE DECK PLATES AND LADDERS FABRICATED OF PROPER MATERIAL (ALUMINUM OR CRES STEEL 304)?

REF: NAVSEA STD DWG 803-1340709

ARE ALL BILGE DRAINAGE SUCTION STRAINERS IN PLACE?

REF: NSTM 505-10.7

FASTENERS

ARE THREADED FASTENERS, WHEN INSTALLED AND TIGHTENED, PROTRUDE A DISTANCE OF AT LEAST ONE (1) THREAD BEYOND THE TOP OF THE NUT OR PLASTIC INSERT?

REF: NSTM 075-7.5

ARE THE NUMBER OF THREADS PROTRUDING BEYOND THE TOP OF THE NUT OR PLASTIC INSERT SHOULD NOT EXCEED FIVE (5) THREADS, IN NO CASE SHALL THE PROTRUSION EXCEED TEN (10) THREADS IAW NSTM 075?

REF: NSTM 075-7.5

ARE FERROUS (CARBON STEEL) FASTENERS PRESENT IN SEAWATER OR IN OTHER SYSTEMS (FRESH WATER, OR FEED) WHERE NON-FERROUS PIPING IS INSTALLED?

REF: NSTM 075-3.3

INSTRUCTIONS AND SAFETY PRECAUTIONS

ARE REQUIRED WARNING, CAUTION, OPERATING, AND INSTRUCTION PLATES AND CHARTS POSTED TO MINIMIZE THE POSSIBILITY OF INJURY TO PERSONNEL OR DAMAGE MACHINERY, EQUIPMENT OR SYSTEMS DUE TO FAULTY OPERATION RESULTING FROM THE LACK OF POSTED INSTRUCTIONS OR WHEREVER SPECIAL SAFETY PRECAUTIONS MUST BE EXERCISED?

REF: NAVSHIPS DWG 805-1640412
NSTM 090-2.4

ARE IDENTIFICATION PLATES INDICATING MAXIMUM ALLOWABLE LOADS OR TEST DATA INSTALLED BY LIFTING PADS OVER HEAVY EQUIPMENT?

REF: NAVSHIPS DRWG S2803-980209

ARE CHAIN FALLS OR MONORAIL HOISTS WEIGHT TESTED AND TEST DATA TAGS ATTACHED TO EQUIPMENT?

REF: PMS MIP 6645 Series

IS THE ENGINEERING OPERATIONAL SEQUENCE SYSTEM (EOSS) IN USE?

REF: EDORM 3540.3 Series

ARE CURRENT "TAG OUT" PROCEDURES IN USE?

REF: NAVSEA S0400-AD-URM-010/TUM (Tag Out User's Manual), current
Revision
OPNAVINST 3120.32 Series 630.17

HAZARDOUS MATERIAL

ARE TOXIC OR HIGHLY FLAMMABLE MATERIALS (FLASH POINT 200 DEGREES AND BELOW) STOWED IN MACHINERY SPACES?

REF: NSTM 670-17.3

ARE ALL HAZARDOUS MATERIAL CONTAINERS CLEARLY LABELED WITH MATERIAL NAME, MANUFACTURERS NAME AND ADDRESS, STOCK NUMBER, HCC AND THE NATURE OF THE HAZARD PRESENTED BY THE HM INCLUDING THE TARGET ORGAN?

REF: NSTM 670-3.2

ARE HAZARDOUS MATERIALS PROPERLY STOWED?

REF: NSTM 670-3

SYSTEM AND EQUIPMENT MONITORING

ARE GAGES AND INDICATORS PROPERLY MOUNTED?

REF: NSTM 504-3.5

ARE LIQUID COLUMN SIGHT GLASS PROTECTIVE GUARDS PROPERLY INSTALLED?

REF: NAVSHIPS DRWG 803-2145532

ARE CRITICAL AND NON-CRITICAL GAGES AND INDICATORS CALIBRATED AND IN GOOD CONDITION?

REF: PMS MIP 9802 Series
NSTM 504-3.7
SHIP CRL

Pumps and Auxiliary Machinery

ARE MACHINERY FOUNDATIONS IN SATISFACTORY CONDITION, FREE OF CRACKS AND BASE METAL DETERIORATION FROM CORROSION AND MECHANICAL JOINTS TIGHTENED?

REF: PMS MIP 6200/001 Series

ARE COUPLING GUARDS INSTALLED ON ROTATING MACHINERY?

REF: OPNAVINST 5100.19 Series C-1 & C-13

ARE COUPLING/BELT GUARDS PAINTED RED FOR ROTATING MACHINERY?

REF: OPNAVINST 5100.19 Series C-1 & C-13

ARE EQUIPMENT OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS POSTED?

REF: NAVSHIPS DWG 804-1640412
NSTM 090-2.4

FLEXIBLE HOSES

ARE FLEXIBLE HOSE ASSEMBLIES PROPERLY INSTALLED?

REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9)
PMS MIP 5000/009 Series

ARE FLEXIBLE HOSE ASSEMBLIES FREE OF TWIST BETWEEN FITTINGS AND PROPERLY SUPPORTED AGAINST RESILIENTLY MOUNTED EQUIPMENT TO PREVENT CHAFING?

REF: NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9)
PMS MIP 5000/009 Series

ARE FLEXIBLE HOSE ASSEMBLIES FREE OF EXCESSIVELY SAGGING OR UNDULY STRESSED?

REF: PMS MIP 5000/009 Series
NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9)

ARE FLEXIBLE HOSES PROPERLY IDENTIFIED WITH A NONCORROSIVE METAL TAG THAT HAD THE SHIP ID., HOSE TYPE/SIZE, SYSTEM PRESSURE AND INSTALLATION DATE?

REF: PMS MIP 5000/009 Series
NAVSEA S6430-AE-TED-010 VOL.1 SECTIONS 8.5 AND 9

ARE FLEXIBLE HOSES PAINTED (A FEW SPOTS INADVERTENTLY SPLASHED ON THE HOSE IS ACCEPTABLE) AS LONG AS PAINTED AREA IS 10% OR LESS THAN THE HOSE SURFACE AREA?

REF: PMS MIP 5000/009 Series
NSTM 631 VOL. 3 8.22
NAVSEA S6430-AE-TED-010 VOL.1 (SECTION 9.J, 10.J)

ARE FLEXIBLE HOSES EXCESSIVELY SOFT?

REF: PMS MIP 5000/009 Series
NAVSEA S6430-AE-TED-010 VOL.1 SECTION 10

RUBBER EXPANSION JOINTS

ARE RUBBER EXPANSION JOINTS PROPERLY INSTALLED AND ALIGNED?

REF: NSTM 505-3.3 (table 505-3-1)

ARE RUBBER EXPANSION JOINTS FREE OF CRACKS AND CUTS?

REF: NSTM 505-3.3

ESCAPE TRUNKS

ARE THERE OBSTRUCTIONS AT THE ESCAPE TRUNKS?

REF: OPNAVINST 5100.19 Series C-1

ARE LADDER RUNGS CONTINUOUS AROUND TWO BULKHEADS?

REF: NAVSEA DWG 804-5184093

DOES ESCAPE TRUNK BALANCE JOINER DOOR HAVE TWO CLOSING SPEEDS (DOOR SHOULD TRAVEL THROUGH INITIAL CLOSING ARC AT A REASONABLY FAST RATE AND SLOW DURING FINAL 8" to 10" OF CLOSING SO DOOR DOES NOT SLAM. THE NOMINAL SPEED RANGE IS 6 TO 8 SECONDS, HOWEVER DOOR CLOSING SPEED SHALL NOT BE LESS THAN 5 SECONDS AND NO GREATER THAN 10 SECONDS)?

REF: NAVSEA DWG 804-5184129
PMS MIP 6241/002 Series

ARE ESCAPE TRUNKS WELL LIT AND HAVE EMERGENCY LIGHTING?

REF: NSTM 330-1.6

ARE LABEL PLATES INSTALLED ON TOP OF ESCAPE SCUTTLES INSCRIBED WITH 1-INCH RED LETTERS THAT STATE "ESCAPE SCUTTLE DO NOT OBSTRUCT OR BLOCK"?

REF: NAVSHIPS DRWG 805-1640412

LAGGING/INSULATION

IS LAGGING/INSULATION ADEQUATE?

REF: NSTM 635 (SECTIONS 2 AND 3)

IS LAGGING/INSULATION TORN OR MISSING (SEAM INTACT AND TAPED / PIN / STUDS SECURE)?

REF: NSTM 635-2.9

IS LAGGING/INSULATION OIL / WATER SOAKED?

REF: NSTM 635-2.9

REDUCTION GEAR SAFETY

ARE MEDIUM OR HIGH SECURITY PADLOCKS INSTALLED (ISEA ADVISORY NUMBER 006-01 VERIFY S&G MODEL 833 HIGH SECURITY LOCKS HAVE BEEN CHANGED OUT WITH ABLOY MODEL PL655 OR PL656)?

REF: ISEA ADVISORY NR 006-01
NSTM 241-4

ARE ALL OTHER ACCESSES PROTECTED FROM UNAUTHORIZED ENTRY?

REF: NSTM 241-4.2

DO VENT FOG PRECIPITATORS / MIST ELIMINATORS APPEAR TO BE IN SATISFACTORY MATERIAL CONDITION?

REF: NSTM 262-3.1
NAVSEA STD DWG 803-2145504
NSTM 241-2.3

DO VENT FOG PRECIPITATORS / MIST ELIMINATORS HAVE A WARNING PLATE POSTED INSCRIBED WITH "WARNING HIGH VOLTAGE"?

REF: NSTM 241-2.3
NAVSEA STD DWG 803-2145504
NSTM 262 3.1

ARE INSTALLED REDUCTION GEAR DEHUMIDIFIERS MAINTAINING AIR IN THE MRG CASING AT LESS THAN 35 PERCENT RELATIVE HUMIDITY?

REF: NSTM 241-3.5
EOSS

LUBE OIL SYSTEMS

ARE THERE LOCKING DEVICES FOR ALL MAIN LUBE OIL PUMPS SUCTION AND DISCHARGE VALVES TO PREVENT SHUTTING?

REF: EDORM 3540.3 4407
EOSS

ARE PURIFIER DRAINS PIPED TO CONTAMINATED OIL TANK?

REF: NSTM 541-4.7

DOES THE LUBE OIL STORAGE AND SETTLING TANKS HAVE OVERFLOW AND DRAIN CONNECTIONS LEADING TO THE OILY WATER DRAIN OR WASTE COLLECTING SYSTEM?

REF: NSTM 541-4.7

ARE STRAINERS PROVIDED WITH PROTECTIVE COVERS?

REF: NSTM 505-10.3
NSTM 079-46.5

ARE STRAINERS PROVIDED WITH VENT/DRAIN VALVES?

REF: NSTM 505-10.3

ARE STRAINERS PROVIDED WITH DRIP PANS?

REF: NSTM 505-10.3

OIL PIPING AND SHIELDS

ARE LUBE OIL AND FUEL OIL PIPING FLANGE SHIELDS OF CORRECT MATERIAL?

REF: NSTM 505-7.9
NAVSEA DRAWING 803-2145518
NSTM 233-7.9

ARE FLANGE SHIELDS PROPERLY INSTALLED?

REF: NSTM 505-7.9

ARE ANY FLANGE SHIELDS MISSING?

REF: NSTM 505-7.9

VALVE AND VALVE OPERATORS

ARE REMOTE OPERATED VALVES OPERATIONAL AND PROPERLY ATTACHED?

REF: NSTM 505-1.8

ARE VALVE HANDWHEELS PROPERLY SECURED AND LABELED?

REF: NAVSEA S0400-AD-URM-010/TUM (TAG OUT USERS MANUAL) 1.6.4.a(1)
NSTM 505-7.8

ARE HANDWHEELS MADE OF PROPER MATERIALS?

REF: NAVSHIPS DWG 803-1385620.

ARE VALVE HANDWHEELS PROPERLY COLOR CODED?

REF: NSTM 505-7.8

SEA CHEST BLOWOUT

ARE WARNING PLATES STATING "DO NOT PERMIT STEAM OR AIR PRESSURE TO EXCEED 35 POUNDS WHEN BLOWING-OUT SEA CHEST" AND OPERATING INSTRUCTIONS INSTALLED BETWEEN THE NEEDLE VALVE AND HOSE VALVE FOR THE SEA CHEST?

REF: PMS MIP 1631 Series

IS THERE A RELIEF VALVE SET AT 40 PSI AND A CONNECTION FOR BLEEDING STEAM/AIR PRESSURE ON THE SEA CHEST BLOW OUT SYSTEM?

REF: NSTM 505-10.3

IS THERE A PRESSURE GAGE INSTALLED IN THE STEAM OR AIR PRESSURE SUPPLY LINE FOR THE SEA CHEST BLOW OUT?

REF: NSTM 505-10.3

PIPING SYSTEMS

ARE PIPING SYSTEMS ADEQUATELY LABELED?

REF: NSTM 505-7.8.3 & table 505-7-1

ARE PIPING SYSTEMS PROPERLY COLOR CODED?

REF: NSTM 505-7.8.2 & table 505-7

ARE PIPING SUPPORT DEVICES PROPERLY MAINTAINED?

REF: NAVSHIPS DWG 804-1385781
NSTM 505-7.5

ARE FLAMMABLE SYSTEMS LEAK TIGHT (NO VISIBLE EVIDENCE OF LEAK)?

REF: NSTM 505-8.3

ARE NON-FLAMMABLE SYSTEMS LEAK TIGHT?

REF: NSTM 505-8.3

ARE WARNING PLATES INSCRIBED "WARNING ENSURE THAT THE ISOLATION VALVES ON EACH SIDE OF THE PRESSURE REGULATOR ARE CLOSED BEFORE OPENING THE BY-PASS VALVE", INSTALLED ON REDUCER BYPASS VALVES?

REF: NSTM 505-9.18

RELIEF VALVES

DO RELIEF VALVES APPEAR TO BE IN GOOD WORKING ORDER (FREE OF BROKEN SPRINGS, LEAKING, BENT STEMS OR CORRODED)?

REF: NSTM 505-9.18

ARE RELIEF VALVES PROPERLY LABELED?

REF: NSTM 505-9.17

ARE RELIEF VALVES EQUIPPED WITH A TAIL PIPE THAT DOES NOT STRESS THE VALVE BODY AND DISCHARGES WHERE IT DOES NOT CREATE A HAZARD TO PERSONNEL OR EQUIPMENT?

REF: NSTM 505-9.17

ARE METAL TAGS PROVIDED TO INDICATE SHIP NAME AND HULL NUMBER, DATE OF LIFT TEST, LIFTING PRESSURE, VALVE NUMBER OR IDENTIFICATION?

REF: NSTM 505-9.17

EDUCTORS AND BILGE DRAINAGE

ARE SUCTION STRAINERS INSTALLED AND IN GOOD OVERALL CONDITION (NO SIGNS OF DENTS, GOUGES, CORROSION, BLOCKAGES)?

REF: NSTM 505-10.7

IS THERE A MINIMUM OF ONE SPACE SUCTION VALVE WHICH IS OPERABLE FROM THE DAMAGE CONTROL DECK?

REF: MILSPEC E-24127

IS THE OIL POLLUTION ACT POSTED AT THE OVERBOARD DISCHARGE VALVES, DECK RISERS AND PUMPS CAPABLE OF DISCHARGING OILY WASTE?

REF: NSTM 593-3.7

ARE ACTUATING PRESSURE AND SUCTION PRESSURE GAGES INSTALLED AND PRESSURIZED?

REF: NSTM 505 figure 505-10.2

MIP 5291 Series

ARE EDUCTOR SUCTION CUT-OUT VALVES PROVIDED WITH THE WARNING SIGN STATING, "DO NOT OPEN UNTIL VACUUM IS INDICATED ON GAUGE"?

REF: MILSPEC E-24127

ARE EDUCTOR FIREMAIN ACTUATING CUT-OUT VALVES PROVIDED WITH THE WARNING SIGN STATING, "DO NOT OPEN UNTIL OVERBOARD DISCHARGE VALVE IS OPEN"?

REF: MILSPEC E-24127

ARE BILGES CONTAMINATED WITH OIL, FUEL OR TRASH?

REF: EDORM 3540.3 Series 4502

OIL LAB

IS REQUIRED NUMBER OF OVERBOARD OIL SPILL CLEAN UP KIT ON BOARD?

REF: AEL 2-550024006

ARE MARK II KITS FULLY STOCKED AND ACCESSIBLE FOR QUICK USE?

REF: NSTM 593-3.6

DOES THE SHIP HAVE AN OIL SPILL CONTINGENCY PLAN THAT HAS BEEN TAILORED TO THE SHIP?

REF: OPNAVINST M 5090.1 Series Ch. 35, para 35-3.15

ARE OIL SPILL KITS INSPECTED QUARTERLY AND REPLENISHED AS REQUIRED?

REF: OPNAVINST 5100.19 Series B-3

ARE PORTABLE ELECTRICAL LABORATORY EQUIPMENT TESTED FOR ELECTRICAL SAFETY IN ACCORDANCE WITH PMS?

REF: PMS MIP 3000/001 Series

IS AN APPROVED CORROSIVE LOCKER, < 30 GAL, AVAILABLE TO STORE ACID IN APPROPRIATE CONTAINERS?

REF: NSTM 670-13.3
NSTM 593 Appendix A and B
NSTM 220-26

HAVE CHEMICALS EXCEEDED THEIR SHELF LIFE?

REF: NSTM 220-26

ARE ALL CHEMICALS STORED IN APPROVED FLAMMABLE OR CORROSIVE LOCKERS, <30 GAL?

REF: NSTM 220-26
NSTM 670-12.3

ARE MERCURIC NITRATE REAGENTS DISPOSED OF PROPERLY?

REF: OPNAVINST 5100.19 Series APPENDIX B-3-B

IS NAVI FLASH / APPROVED FLASHPOINT TESTER IN WORKING ORDER AND CALIBRATED?

REF: NSTM 262-5.1

ORM/TCRM

IS ORM APPLIED NOT ONLY TO OPERATIONAL MISSIONS, BUT AT THE DECK PLATE LEVEL FOR DAY TO DAY WORK UNIT OPERATIONS AS WELL?

REF: OPNAVINST 5100.19 Series
OPNAVINST 3500.39 Series