

## PRESERVATION AND DEPRESERVATION GUIDE FOR MARINE EQUIPMENT

For use of this form, see TB 740-93-4; the proponent agency is the United States Army Materiel Command.

|                      |                            |                |
|----------------------|----------------------------|----------------|
| FEDERAL STOCK NUMBER | NOMENCLATURE               | DESIGN NUMBER  |
| USA NUMBER           | PRESERVED BY <i>(Name)</i> | DATE PRESERVED |

**PREPARATION INSTRUCTIONS:** Complete all applicable entries on form to reflect preservation applied and depreservation required. Indicate the preservation applied by placing an "X" in the appropriate block, opposite the operation performed. Annotate the type and grade of material used in the blank spaces provided. Use blank spaces at end of form to annotate any operation not covered by the pre-printed information. Also, use blank spaces to include instructions on the replacement and/or readjustment of any component or system which was disassembled or had any adjustment disturbed during preservation. Prepare this

form in duplicate. Place one copy in a waterproof envelope and secure in a conspicuous location in the pilot house. Place one copy in the vessel record file.

**DEPRESERVATION INSTRUCTIONS:** This equipment has been preserved and is not ready to operate until the necessary depreservation and operating services have been performed. (*Consult the applicable technical manual and lubrication guide.*) The depreservation required appears on this form opposite the preservation required.

| PRESERVATION   | DEPRESERVATION   |
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| <b>COOLING SYSTEM</b>  |  |
| RAW WATER<br>FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3 AND DRAINED.   | <input type="checkbox"/> CLEAN WITH COMPOUND CONFORMING TO MIL-C-10597. FLUSH AND FILL WITH WATER. ADD ANTIFREEZE WHEN REQUIRED FOR PROTECTION.                                    |
| FRESH WATER<br>DRAINED AND BLOWN DRY.  | <input type="checkbox"/> REFILL WITH WATER AND/OR ANTIFREEZE.  |
| FILLED WITH A CLEAN PREMIXED SOLUTION OF 50% ANTIFREEZE, CONFORMING TO FED O-A-548, TYPE I AND 50% WATER.  | <input type="checkbox"/> READY FOR USE. DO NOT DRAIN.  |
| FILLED WITH ARCTIC ANTIFREEZE CONFORMING TO MIL-C-11755.   | <input type="checkbox"/> READY FOR USE. DO NOT DRAIN OR DILUTE WITH WATER.   |
| <b>CRANKCASES, ENGINES AND ENGINE ACCESSORY</b>  |  |
| WET SUMP<br>FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.                              | <input type="checkbox"/> DO NOT DRAIN. GOOD UNTIL FIRST REQUIRED OIL CHANGE. CHECK OIL LEVEL, IF LOW, FILL TO OPERATING LEVEL WITH OIL CONFORMING TO MIL-L-2104, APPLICABLE GRADE. |
| DRY SUMP<br>INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.                               | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.   |
| <b>AIR CLEANERS</b><br>DRY TYPE<br>INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.        | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.   |
| OIL-BATH TYPE<br>FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.                         | <input type="checkbox"/> CHECK LEVEL OF OIL. IF LOW, ADD OIL AS REQUIRED.  |
| <b>GOVERNORS</b><br>HYDRAULIC<br>FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.  | <input type="checkbox"/> DO NOT DRAIN. ADD FLUID WHEN REQUIRED.  |
| WET-TYPE MECHANICAL<br>FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.                   | <input type="checkbox"/> CHECK LEVEL OF OIL. IF LOW, ADD OIL AS REQUIRED.  |
| DRY TYPE MECHANICAL<br>MECHANISMS WITHIN HOUSING COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.            | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.   |
| <b>REDUCTION GEARS</b><br>HYDRAULIC TYPE<br>FILLED TO OPERATING LEVEL WITH APPROVED OPERATING FLUID.   | <input type="checkbox"/> DO NOT DRAIN. ADD FLUID WHEN REQUIRED.  |
| MECHANICAL TYPE<br>FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.  | <input type="checkbox"/> DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED.  |
| <b>INCLOSED GEARS</b><br>FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.  | <input type="checkbox"/> DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED.  |
| <b>CLUTCHES</b><br>DRY-DISC TYPE<br>INTERIOR SURFACES COATED WITH PRIMER CONFORMING TO FED TT-P-664. SPRING LOADED TYPE CLUTCHES BLOCKED PARTIALLY OPEN. | <input type="checkbox"/> REMOVE BLOCKS.  |

| PRESERVATION   |                          | DEPRESERVATION  |
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| <b>CONE TYPE</b><br>UNLINED SURFACES, INTERIOR AND EXTERIOR CONTROL MECHANISMS COATED WITH PRIMER CONFORMING TO FED TT-P-664.  | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>JAW TYPE</b><br>CLUTCH JAWS, SHIFTER YOKES AND MACHINED SURFACES OF SHAFTS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 2. INTERIOR CLUTCH CONTROL MECHANISM COATED WITH PRIMER CONFORMING TO FED TT-P-664.                                    | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>BAND AND SHOE TYPE</b><br>DRUM FACING, INTERIOR AND EXTERIOR CONTROL MECHANISMS COATED WITH PRIMER CONFORMING TO FED TT-P-664.  | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>EXPOSED GEARS</b><br>COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1 AND/OR GRADE 3.  | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>DRIVE BELTS</b><br>TENSION RELEASED.  | <input type="checkbox"/> | ADJUST TENSION.   |
| <b>EXPOSED DRIVE CHAINS</b><br>COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3 AND PRESERVATIVE CONFORMING TO MIL-G-10924.   | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>BRAKES</b><br><b>HYDRAULIC TYPE</b><br>FILLED TO OPERATING LEVEL WITH APPROVED HYDRAULIC FLUID. BRAKE DISC AND/OR DRUM FACINGS COATED WITH PRIMER CONFORMING TO FED TT-P-664.   | <input type="checkbox"/> | CHECK LEVEL OF FLUID. IF LOW, ADD FLUID OF THE TYPE REQUIRED BY THE LUBRICATION ORDER.  |
| <b>MECHANICAL TYPE</b><br>FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.   | <input type="checkbox"/> | DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED   |
| <b>PARKING BRAKES</b><br>BRAKING SURFACES, PULLY GROOVES, LINING CARRIERS, PINS, LEVERS, LINKAGE AND SIMILAR PARTS COATED WITH PRIMER CONFORMING TO FED TT-P-664. CABLES COATED WITH LUBRICANT CONFORMING TO FED VV-L-751, TYPE II, GRADE B.                   | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>TANKS</b><br><b>AIR</b><br>INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.   | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>WATER</b><br>DRAIN PLUGS REMOVED. VALVES IN OPEN POSITION.  | <input type="checkbox"/> | REINSTALL DRAIN PLUGS. CLOSE VALVES.  |
| <b>GASOLINE, DIESEL AND OIL</b><br>INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, CONFORMING TO MIL-L-21260.   | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>AIR COMPRESSORS</b><br>CRANKCASE FILLED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. AIR RECEIVER TANK DRAIN PLUGS REMOVED. DRAIN COCKS OPEN.  | <input type="checkbox"/> | DO NOT DRAIN. GOOD UNTIL FIRST REQUIRED OIL CHANGE. CHECK OIL LEVEL. IF LOW, FILL TO OPERATING LEVEL WITH OIL CONFORMING TO MIL-L-2104, APPLICABLE GRADE. REINSTALL DRAIN PLUGS. CLOSE DRAIN COCKS. |
| <b>PUMPS (Other than engine mounted)</b><br><b>RAW WATER</b><br>INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. PUMP PACKING REMOVED AND PACKAGED METHOD IC-1 AND SECURED TO PUMP.              | <input type="checkbox"/> | REINSTALL PUMP PACKING.   |
| <b>POTABLE WATER</b><br>PUMP DRAINED. DRAIN PLUG AND PUMP PACKING REMOVED, PACKAGED METHOD IC-1 AND SECURED TO PUMP.   | <input type="checkbox"/> | REINSTALL DRAIN PLUGS AND PUMP PACKING.   |
| <b>FUEL AND OIL</b><br>FILLED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.  | <input type="checkbox"/> | DRAIN THE PRESERVATIVE OIL FROM THE PUMPS.  |
| <b>OIL PURIFIERS</b><br>DRAINED AND COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.   | <input type="checkbox"/> | FILL WITH PRESCRIBED LUBRICATING OIL.   |
| <b>HEAT EXCHANGER</b><br>RAW WATER SIDES FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3. POTABLE OR DOMESTIC SIDES DRAINED. OIL SIDE OF OIL COOLER FLUSHED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |

| PRESERVATION  | DEPRESERVATION  |
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| <b>REFRIGERATION UNITS</b><br>REFRIGERANT PUMPED DOWN. VALVES CLOSED. COMPRESSOR CRANKCASE FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.   | <input type="checkbox"/> OPEN VALVES. CHECK LEVEL OF LUBRICANT IN COMPRESSOR CRANKCASE, IF LOW ADD LUBRICANT OF THE TYPE REQUIRED BY THE LUBRICATION ORDER. |
| <b>HEATING BOILERS</b><br>DRAINED AND BLOWN DRY. DRAIN PLUGS REMOVED, PACKAGED AND SECURED TO BOILER.   | <input type="checkbox"/> REINSTALL DRAIN PLUGS.   |
| <b>OIL BURNERS</b><br>POT TYPE<br>CARBURETOR FLUSHED WITH PRESERVATIVE OIL CONFORMING TO FED VV-L-800. INTERIOR METAL SURFACES OF BURNER POT COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| ATOMIZING TYPE<br>FUEL SYSTEM AND ATOMIZING AIR SYSTEM FLUSHED WITH PRESERVATIVE OIL CONFORMING TO FED VV-L-800. ATOMIZER COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.  | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| <b>CAPSTANS, WINDLASSES AND WINCHES</b><br>EXPOSED SHAFTS, LINKAGES, THREADED ADJUSTMENT, GEARS AND PINIONS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 2. GEAR BOXES FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. BRAKE BANDS AND DRUMS COATED WITH FED TT-P-664 PRIMER. UNITS COVERED WITH SHELTERS TO PREVENT ENTRY OF WATER. | <input type="checkbox"/> REMOVE SHELTERS. DRAIN GEAR BOXES AND REFILL TO OPERATING LEVEL WITH PRESCRIBED OPERATING OIL.                                     |
| <b>PIPING SYSTEMS</b><br>RAW WATER<br>FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| FRESH WATER<br>DRAINED AND BLOWN DRY.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| FUEL AND OIL<br>FLUSHED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| <b>ELECTRICAL EQUIPMENT</b><br>SWITCHBOARDS, PANELS AND CONTROLLERS<br>FERROUS METAL BUS BARS AND OTHER FERROUS SURFACES, NOT REQUIRING REMOVAL OF PRESERVATIVE FOR ACTIVATION, COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.  | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| MOTORS AND GENERATORS<br>FERROUS METAL SLIP RINGS COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| RECEPTACLES<br>RECEPTACLES EXPOSED TO THE WEATHER SEALED WITH TAPE CONFORMING TO FED PPP-T-60, TYPE IV.   | <input type="checkbox"/> REMOVE TAPE.   |
| GAGES AND INSTRUMENTS<br>CLEANED BY MOST APPLICABLE PROCESS OF MIL-P-116.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| HORN, BELLS, BUZZERS, NAVIGATIONAL AND FLOODLIGHTS<br>REMOVED, PACKAGED AND STOWED IN COMPARTMENTS.   | <input type="checkbox"/> REINSTALL REMOVED HORNS, BELLS, BUZZERS, NAVIGATIONAL AND FLOODLIGHTS.   |
| <b>VALVES</b><br>WEATHER EXPOSED<br>STEMS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 2. VALVES CLOSED.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| SEA AND OVERBOARD DISCHARGE<br>SEA STRAINER BASKET COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3. VALVES SECURED WITH WIRE IN CLOSED POSITION.  | <input type="checkbox"/> REMOVE WIRE FROM VALVES.   |
| VALVES WITHIN COMPARTMENTS<br>PACKING GLAND NUTS LOOSENEED AND VALVES LEFT IN OPEN POSITION.  | <input type="checkbox"/> TIGHTEN PACKING GLAND NUTS AND CLOSE VALVES.   |
| <b>STEERING SYSTEMS</b><br>UNPAINTED SURFACES OF QUADRANTS, RODS, LINKAGES AND FITTINGS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1. EXPOSED CABLES COATED WITH LUBRICANT CONFORMING TO TYPE II, GRADE B OF FED VV-L-751. EXPOSED SURFACES OF ACTUATING RODS OF HYDRAULIC RAMS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 2.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |
| <b>WIRE ROPE, RIGGING AND FITTINGS</b><br>CLEANED AND COATED WITH LUBRICANT CONFORMING TO TYPE II, GRADE B OF FED VV-L-751.   | <input type="checkbox"/> NO DEPRESERVATION REQUIRED.  |

| PRESERVATION   |                          | DEPRESERVATION  |
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| <b>SANITARY FACILITIES</b><br>FERROUS METAL LAVATORY, SHOWER AND TOILET PIPING, NOT CONNECTED TO POTABLE WATER SYSTEM, FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3.   | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>FIXED FIRE FIGHTING SYSTEM</b><br>FERROUS METAL SURFACES COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924. RELEASE MECHANISM WIRED TO PREVENT ACCIDENTAL DISCHARGE.   | <input type="checkbox"/> | REMOVE WIRE FROM RELEASE MECHANISM.   |
| <b>GALLEY EQUIPMENT</b><br>FOOD HANDLING AND PROCESSING EQUIPMENT AND MESS GEAR COATED WITH PRESERVATIVE CONFORMING TO MIL-C-10382. FIRE SIDES OF STOVES COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1.  | <input type="checkbox"/> | REMOVE PRESERVATIVE FROM FOOD HANDLING AND PROCESSING EQUIPMENT AND MESS GEAR.            |
| <b>DAVITS</b><br>BEARING SURFACES AND THREADS COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924.  | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>DECK FITTINGS</b><br>RECESSED FITTINGS AND THREADED SURFACES OF DECK PLATES AND PLUGS COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924. RECESSES SEALED WITH TAPE CONFORMING TO FED PPP-T-60, TYPE IV AND STRIPPABLE COATING CONFORMING TO MIL-C-16555, CLASS 1.          | <input type="checkbox"/> | REMOVE TAPE AND STRIPPABLE COATING.   |
| <b>SOCKETS AND BEARINGS</b><br>DAVIT, STAFF AND STANCHION SOCKETS AND BEARINGS COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924 AND SEALED, AGAINST ENTRY OF WATER, WITH TAPE CONFORMING TO FED PPP-T-60, TYPE IV AND STRIPPABLE COATING CONFORMING TO MIL-C-16555, CLASS 1. | <input type="checkbox"/> | REMOVE TAPE AND STRIPPABLE COATING.   |
| <b>ANCHORS</b><br>FERROUS SURFACES OF ANCHORS, CHAINS AND FITTINGS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1.  | <input type="checkbox"/> | NO DEPRESERVATION REQUIRED.   |
| <b>COMPONENTS REMOVED</b><br>PLACED AND SECURED IN PILOT HOUSE OR OTHER COMPARTMENTS.  | <input type="checkbox"/> | REINSTALL COMPONENTS IN ACCORDANCE WITH MATCHMARKING.                                     |
| <b>COMPONENTS REMOVED</b><br>PACKED IN BOX AND SECURED ON DECK OR INSIDE PILOT HOUSE OR OTHER COMPARTMENTS.  | <input type="checkbox"/> | UNPACK AND REINSTALL COMPONENTS IN ACCORDANCE WITH MATCHMARKING.                          |
| DYNAMIC DEHUMIDIFICATION SYSTEM AND/OR COCOON INSTALLED  | <input type="checkbox"/> | REMOVE DEHUMIDIFICATION SYSTEM. REMOVE COCOON SKIN AND FRAMEWORK.                         |
| COMPONENTS LOOSENED AND/OR PLACED IN OPEN POSITION FOR PROVIDING VENTILATION   | <input type="checkbox"/> | TIGHTEN AND/OR PLACE IN CLOSED POSITION COMPONENTS LOOSENED OR LEFT OPEN FOR VENTILATION. |
|  | <input type="checkbox"/> |   |
|  | <input type="checkbox"/> |   |
|  | <input type="checkbox"/> |   |
|  | <input type="checkbox"/> |   |
|  | <input type="checkbox"/> |   |
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