

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
COOLING SYSTEM RAW WATER FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3 AND DRAINED.	CLEAN WITH COMPOUND CONFORMING TO MIL-C-10597. FLUSH AND FILL WITH WATER. ADD ANTIFREEZE WHEN REQUIRED FOR PROTECTION.
FRESH WATER DRAINED AND BLOWN DRY.	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.	READY FOR USE. DO NOT DRAIN.
FILLED WITH ARCTIC ANTIFREEZE CONFORMING TO MIL-C-11755.	READY FOR USE. DO NOT DRAIN OR DILUTE WITH WATER.
CRANKCASES, ENGINES AND ENGINE ACCESSORY WET SUMP FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	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 INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	NO DEPRESERVATION REQUIRED.
AIR CLEANERS DRY TYPE INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	NO DEPRESERVATION REQUIRED.
OIL-BATH TYPE FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	CHECK LEVEL OF OIL. IF LOW, ADD OIL AS REQUIRED.
GOVERNORS HYDRAULIC FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.	DO NOT DRAIN. ADD FLUID WHEN REQUIRED.
WET-TYPE MECHANICAL FILLED TO OPERATING LEVEL WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	CHECK LEVEL OF OIL. IF LOW, ADD OIL AS REQUIRED.
DRY TYPE MECHANICAL MECHANISMS WITHIN HOUSING COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.	NO DEPRESERVATION REQUIRED.
REDUCTION GEARS HYDRAULIC TYPE FILLED TO OPERATING LEVEL WITH APPROVED OPERATING FLUID.	DO NOT DRAIN. ADD FLUID WHEN REQUIRED.
MECHANICAL TYPE FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.	DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED.
INCLOSED GEARS FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.	DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED.
CLUTCHES DRY-DISC TYPE INTERIOR SURFACES COATED WITH PRIMER CONFORMING TO FED TT-P-664. SPRING LOADED TYPE CLUTCHES BLOCKED PARTIALLY OPEN.	REMOVE BLOCKS.

PRESERVATION		DEPRESERVATION
CONE TYPE UNLINED SURFACES, INTERIOR AND EXTERIOR CONTROL MECHANISMS COATED WITH PRIMER CONFORMING TO FED TT-P-664.		NO DEPRESERVATION REQUIRED.
JAW TYPE 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.		NO DEPRESERVATION REQUIRED.
BAND AND SHOE TYPE DRUM FACING, INTERIOR AND EXTERIOR CONTROL MECHANISMS COATED WITH PRIMER CONFORMING TO FED TT-P-664.		NO DEPRESERVATION REQUIRED.
EXPOSED GEARS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1 AND/OR GRADE 3.		NO DEPRESERVATION REQUIRED.
DRIVE BELTS TENSION RELEASED.		ADJUST TENSION.
EXPOSED DRIVE CHAINS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3 AND PRESERVATIVE CONFORMING TO MIL-G-10924.		NO DEPRESERVATION REQUIRED.
BRAKES HYDRAULIC TYPE FILLED TO OPERATING LEVEL WITH APPROVED HYDRAULIC FLUID. BRAKE DISC AND/OR DRUM FACINGS COATED WITH PRIMER CONFORMING TO FED TT-P-664.		CHECK LEVEL OF FLUID. IF LOW, ADD FLUID OF THE TYPE REQUIRED BY THE LUBRICATION ORDER.
MECHANICAL TYPE FILLED TO OPERATING LEVEL WITH APPROVED OPERATING LUBRICANT.		DO NOT DRAIN. ADD LUBRICANT WHEN REQUIRED
PARKING BRAKES 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.		NO DEPRESERVATION REQUIRED.
TANKS AIR INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.		NO DEPRESERVATION REQUIRED.
WATER DRAIN PLUGS REMOVED. VALVES IN OPEN POSITION.		REINSTALL DRAIN PLUGS. CLOSE VALVES.
GASOLINE, DIESEL AND OIL INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, CONFORMING TO MIL-L-21260.		NO DEPRESERVATION REQUIRED.
AIR COMPRESSORS CRANKCASE FILLED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. AIR RECEIVER TANK DRAIN PLUGS REMOVED. DRAIN COCKS OPEN.		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.
PUMPS <i>(Other than engine mounted)</i> RAW WATER INTERIOR SURFACES COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260. PUMP PACKING REMOVED AND PACKAGED METHOD IC-1 AND		REINSTALL PUMP PACKING.
POTABLE WATER PUMP DRAINED. DRAIN PLUG AND PUMP PACKING REMOVED, PACKAGED METHOD IC-1 AND SECURED TO PUMP.		REINSTALL DRAIN PLUGS AND PUMP PACKING.
FUEL AND OIL FILLED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.		DRAIN THE PRESERVATIVE OIL FROM THE PUMPS.
OIL PURIFIERS DRAINED AND COATED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.		FILL WITH PRESCRIBED LUBRICATING OIL.
HEAT EXCHANGER 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.		NO DEPRESERVATION REQUIRED.

PRESERVATION		DEPRESERVATION
REFRIGERATION UNITS REFRIGERANT PUMPED DOWN. VALVES CLOSED. COMPRESSOR CRANKCASE FILLED TO OPERATING LEVEL WITH APPROVED		OPEN VALVES. CHECK LEVEL OF LUBRICANT IN COMPRESSOR CRANKCASE, IF LOW ADD LUBRICANT
HEATING BOILERS DRAINED AND BLOWN DRY. DRAIN PLUGS REMOVED, PACKAGED AND SECURED TO BOILER.		REINSTALL DRAIN PLUGS.
OIL BURNERS POT TYPE CARBURETOR FLUSHED WITH PRESERVATIVE OIL CONFORMING TO FED VV-L-800. INTERIOR METAL SURFACES OF BURNER POT COATED WITH TYPE _____, GRADE _____, PRESERVATIVE		NO DEPRESERVATION REQUIRED.
ATOMIZING TYPE 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.		NO DEPRESERVATION REQUIRED.
CAPSTANS, WINDLASSES AND WINCHES 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.		REMOVE SHELTERS. DRAIN GEAR BOXES AND REFILL TO OPERATING LEVEL WITH PRESCRIBED OPERATING OIL.
PIPING SYSTEMS RAW WATER FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173,		NO DEPRESERVATION REQUIRED.
FRESH WATER DRAINED AND BLOWN DRY.		NO DEPRESERVATION REQUIRED.
FUEL AND OIL FLUSHED WITH TYPE _____, GRADE _____, PRESERVATIVE LUBRICATING OIL CONFORMING TO MIL-L-21260.		NO DEPRESERVATION REQUIRED.
ELECTRICAL EQUIPMENT SWITCHBOARDS, PANELS AND CONTROLLERS 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.		NO DEPRESERVATION REQUIRED.
MOTORS AND GENERATORS FERROUS METAL SLIP RINGS COATED WITH PRESERVATIVE		NO DEPRESERVATION REQUIRED.
RECEPTACLES RECEPTACLES EXPOSED TO THE WEATHER SEALED WITH TAPE CONFORMING TO FED PPP-T-60, TYPE IV.		REMOVE TAPE.
GAGES AND INSTRUMENTS CLEANED BY MOST APPLICABLE PROCESS OF MIL-P-116.		NO DEPRESERVATION REQUIRED.
HORN, BELLS, BUZZERS, NAVIGATIONAL AND FLOODLIGHTS REMOVED, PACKAGED AND STOWED IN COMPARTMENTS.		REINSTALL REMOVED HORNS, BELLS, BUZZERS, NAVIGATIONAL AND FLOODLIGHTS.
VALVES WEATHER EXPOSED STEMS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 2. VALVES CLOSED.		NO DEPRESERVATION REQUIRED.
SEA AND OVERBOARD DISCHARGE SEA STRAINER BASKET COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3. VALVES SECURED WITH WIRE IN CLOSED POSITION.		REMOVE WIRE FROM VALVES.
VALVES WITHIN COMPARTMENTS PACKING GLAND NUTS LOOSENEED AND VALVES LEFT IN OPEN POSITION.		TIGHTEN PACKING GLAND NUTS AND CLOSE VALVES.
STEERING SYSTEMS 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.		NO DEPRESERVATION REQUIRED.
WIRE ROPE, RIGGING AND FITTINGS CLEANED AND COATED WITH LUBRICANT CONFORMING TO TYPE II, GRADE B OF FED VV-L-751.		NO DEPRESERVATION REQUIRED.

PRESERVATION		DEPRESERVATION
SANITARY FACILITIES FERROUS METAL LAVATORY, SHOWER AND TOILET PIPING, NOT CONNECTED TO POTABLE WATER SYSTEM, FLUSHED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 3.		NO DEPRESERVATION REQUIRED.
FIXED FIRE FIGHTING SYSTEM FERROUS METAL SURFACES COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924. RELEASE MECHANISM WIRED TO PREVENT ACCIDENTAL DISCHARGE.		REMOVE WIRE FROM RELEASE MECHANISM.
GALLEY EQUIPMENT 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.		REMOVE PRESERVATIVE FROM FOOD HANDLING AND PROCESSING EQUIPMENT AND MESS GEAR.
DAVITS BEARING SURFACES AND THREADS COATED WITH PRESERVATIVE CONFORMING TO MIL-G-10924.		NO DEPRESERVATION REQUIRED.
DECK FITTINGS 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.		REMOVE TAPE AND STRIPPABLE COATING.
SOCKETS AND BEARINGS 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.		REMOVE TAPE AND STRIPPABLE COATING.
ANCHORS FERROUS SURFACES OF ANCHORS, CHAINS AND FITTINGS COATED WITH PRESERVATIVE CONFORMING TO MIL-C-16173, GRADE 1.		NO DEPRESERVATION REQUIRED.
COMPONENTS REMOVED PLACED AND SECURED IN PILOT HOUSE OR OTHER COMPARTMENTS.		REINSTALL COMPONENTS IN ACCORDANCE WITH MATCHMARKING.
COMPONENTS REMOVED PACKED IN BOX AND SECURED ON DECK OR INSIDE PILOT HOUSE OR OTHER COMPARTMENTS.		UNPACK AND REINSTALL COMPONENTS IN ACCORDANCE WITH MATCHMARKING.
DYNAMIC DEHUMIDIFICATION SYSTEM AND/OR COCOON INSTALLED		REMOVE DEHUMIDIFICATION SYSTEM. REMOVE COCOON SKIN AND FRAMEWORK.
COMPONENTS LOOSENED AND/OR PLACED IN OPEN POSITION FOR PROVIDING VENTILATION		TIGHTEN AND/OR PLACE IN CLOSED POSITION COMPONENTS LOOSENED OR LEFT OPEN FOR VENTILATION.