DEPRESERVATION GUIDE FOR VEHICLES AND EQUIPMENT

For use of this form, see TB 740-97-2; the proponent agency is the United States Army Materiel Command.

FEDERAL STOCK NUMBER	NOMENCLATURE	SERIAL NUMBER

PRESERVED BY *(Name)*	DATE

1. PREPARATION INSTRUCTIONS. Complete all applicable entries on the form to reflect the preservation applied and the depreservation required. Indicate the preservation accomplished by placing an "X" in the appropriate block, opposite the operation performed. Annotate the grade of material used in the blank spaces provided. When similar components on the equipment are preserved differently, identify the components by inserting the item name in front of the operation performed, e.g., identify the two cooling systems on a truck mounted crane by the names "crane" and "carrier". Use blank spaces under the listed components to add special preservation requirements and the applicable depreservation instructions for those components when the preprinted information does not provide the necessary data. Use the additional blank spaces provided at the end of the form to annotate the preservation applied and the depreservation instructions for components not specifically identified on the form. Also, use the 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.

2. DEPRESERVATION INSTRUCTIONS. This equipment has been preserved and packaged and is not ready to operate until the necessary depreservation and "before operating services" have been performed. The depreservation required appears on this form opposite the preservation accomplished. CAUTION: If the grade of lubricant in a component does not comply with the lubrication order for the existing operating temperature range, drain the oil and refill the component with lubricant specified by the applicable lubrication order. The operator's technical manual contains the before operating services required. The depreservation instructions must be complied with, and the before operating services and the required replacement or readjustment of components must be accomplished prior to operating this equipment.

PRESERVATION		DEPRESERVATION
1. COOLING SYSTEMS		**1. COOLING SYSTEMS**
a. Filled with 50% antifreeze conforming to FED O-A 548 and 50% water.		a. Check level of coolant. If low, add premixed solution of antifreeze as used in the initial fill.
b. Filled with arctic antifreeze conforming to MIL-C-11755.		b. Check level of coolant. If low, add antifreeze of the same type used in the initial fill. *Do not dilute with water.*
c. Preserved with compound conforming to MIL-C-16173, Grade 3.		c. Clean cooling system with compound conforming to MIL-C-10597, following manufacturer's instructions furnished with the cleaning kit. Fill cooling system in accordance with instructions contained in the operator's manual.
d. Preserved with compound conforming to MIL-C-16173, Grade 5.		d. Clean cooling system with low pressure steam. If steam is not available, clean with hot water. Fill cooling system in accordance with instructions contained in the operator's manual.
e. Drained.		e. Fill cooling system in accordance with instructions contained in the operator's manual.
f.		f.
g.		g.
2. CRANKCASES OF ENGINES AND ENGINE ACCESSORIES		**2. CRANKCASES OF ENGINES AND ENGINE ACCESSORIES**
a. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade _____.		a. Drain the system and refill to operating level with oil specified by the applicable lubrication order.
b. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type _____, Grade _____.		b. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below - 10°F, drain and refill with lubricant specified by the applicable lubrication order.
c. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		c. Check level of lubricant. If low, add oil of the same type used in the initial fill.
d. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade _____.		d. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
e. Filled to operating level with lubricating oil conforming to MIL-L-7808.		e. Check level of lubricant. If low, add oil of the same type used in the initial fill.
f. Filled to operating level with lubricating oil conforming to MIL-L-45199, Grade_____.		f. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
g. Drained		g. Fill to operating level with oil specified by the applicable lubrication order.
h. Breathers sealed with tape.		h. Remove tape.
i. Dipstick sealed with tape.		i. Remove tape.
j. Air box drain tube sealed with cap or tape.		j. Remove cap or tape.
k.		k.
3. AIR CLEANERS		**3. AIR CLEANERS**
a. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade _____.		a. Check level of lubricant. If low, add oil as needed. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade_____.		b. Check level of lubricant. If low, add oil as needed. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
c. Filled to operating level with arctic lubricating oil conforming to MIL-L-10295.		c. Check level of lubricant. If low, add oil of the same type used in the initial fill.
d. Removed and packaged.		d. Install and fill with oil as specified by the applicable lubrication order.
e. Element removed and packaged.		e. Install element in air cleaner.

PRESERVATION		DEPRESERVATION
f. Drained		f. Fill with oil as specified by the applicable lubrication order.
g. Sealed with tape.		g. Remove tape.
h.		h.
i.		i.
4. DRIVE BELTS		**4. DRIVE BELTS**
a. Tension released.		a. Adjust tension.
b. Removed and packaged with OVM.		b. Install and adjust tension.
c.		c.
d.		d.
5. GOVERNORS		**5. GOVERNORS**
a. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade _____.		a. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade_____.		b. Check level of lubricant, if low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
c. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		c. Check level of lubricant. If low, add oil of the same type used in the initial fill.
d. Drained.		d. Fill with oil as specified by the applicable lubrication order.
e.		e.
f.		f.
6. FUEL TANK		**6. FUEL TANK**
a. Drain plug removed and secured to tank or placed in tool box.		a. Install drain plug.
b. Fuel cap vent sealed with tape.		b. Remove tape.
c.		c.
d.		d.
7. CLUTCHES		**7. CLUTCHES**
a. SPRING LOADED. Blocked in a partially disengaged position.		a. Remove blocking.
b. OIL TYPE *(Operating in oil)*. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type _____, Grade _____.		b. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
c. OIL TYPE *(Operating in oil)*. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade _____.		c. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
d. OIL TYPE *(Operating in oil)*. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		d. Check level of lubricant. If low, add oil of the same type used in the initial fill.
e. OIL TYPE *(Operating in oil)*. Drained.		e. Fill to operating level with oil specified by the applicable lubrication order.
f. OIL TYPE *(Operating in oil)*. Breather sealed with tape.		f. Remove tape.
g. Drain plugs removed and placed in tool box.		g. Install drain plugs.
h.		h.
i.		i.
8. TORQUE CONVERTERS, FLUID COUPLINGS AND AUTOMATIC TRANSMISSIONS		**8. TORQUE CONVERTERS, FLUID COUPLINGS AND AUTOMATIC TRANSMISSIONS**
a. Filled to operating level with preservative oil conforming to to FED VV L-800.		a. Drain and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type _____, Grade _____.		b. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
c. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade_____.		c. Drain and refill with oil specified by the applicable lubrication order.
d. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		d. Check level of lubricant. If low, add oil of the same type used in the initial fill.
e. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade _____.		e. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
f. Breather sealed with tape.		f. Remove tape.
g.		g.
h.		h.

PRESERVATION		DEPRESERVATION
9. GEAR HOUSING a. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____ , Grade 10.		**9. GEAR HOUSING** a. Drain and refill with lubricant specified by the applicable lubrication order. EXCEPTION: If OE10 is specified for operation, the preservative oil may be used until the first required oil change. For operation of equipment in temperatures below -10°F, drain the preservative oil and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type _____ , Grade 30.		b. Drain and refill with lubricant specified by the applicable lubrication order. EXCEPTION: If OE30 is specified for operation, the preservative oil may be used until the first required oil change. For operation of equipment in temperatures below -10°F, drain the preservative oil and refill with lubricant specified by the applicable lubrication order.
c. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade_____ .		c. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
d. Filled to operating level with lubricating oil conforming to MIL-L-45199, Grade _____.		d. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
e. Filled to operating level with lubricating oil conforming to MIL-L-7808.		e. Check level of lubricant. If low, add oil of the same type used in the initial fill.
f. Filled to operating level with lubricating oil conforming to MIL-L-2105, Grade _____ .		f. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in sub-zero temperatures, drain and refill with lubricant specified by the applicable lubrication order.
g. Filled to operating level with lubrication oil conforming to MIL-G-10324.		g. Check level of lubricant. If low, add lubricant of the same type used in the initial fill.
h. Breathers sealed with tape.		h. Remove tape.
i.		i.
j.		j.
10. DRIVE CHAINS a. Removed and packaged with OVM.		**10. DRIVE CHAINS** a. Install chains.
b.		b.
c.		c.
11. BRAKE SYSTEM a. Air tanks drained and drain cocks open.		**11. BRAKE SYSTEMS** a. Close drain cocks.
b. Air tanks drained and drain plugs removed and placed in tool box.		b. Install drain plugs.
c. Filled with preservative fluid conforming to MIL-P-46046 .		c. Drain and refill with hydraulic fluid specified by the applicable lubrication order. EXCEPTION: The preservative fluid may be used where the ambient temperature is not lower than -10°F, drain the preservative fluid and refill with fluid specified by the applicable lubrication order.
d. Filled to operating level with fluid conforming to FED VV-B-680.		d. Check level of fluid. If low, add fluid of the same type used in the initial fill.
e. Filled to operating level with arctic fluid conforming to MIL-H-13910.		e. Check level of fluid. If low, add fluid of the same type used in the initial fill.
f. Brakes *(except emergency)* not adjusted and brake pedal blocked in the released *(OFF)* position.		f. Remove blocking and adjust brakes.
g. Brakes *(except emergency)* not adjusted.		g. Adjust brakes.
h. Exhaust port sealed with tape or plug.		h. Remove tape or plug.
i.		i.
j.		j.
12. HYDRAULIC CONTROL SYSTEMS *(Except Hydraulic Brakes)* a. Filled to operating level with lubricating oil conforming to MIL-L-2104, Grade _____ .		**12. HYDRAULIC CONTROL SYSTEMS** *(Except Hydraulic Brakes)* a. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		b. Check level of lubricant. If low, add oil of the same type used in the initial fill.

PRESERVATION		DEPRESERVATION
c. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade _____.		c. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by applicable lubrication order.
d. Exposed portions of piston rods and ramshafts coated with preservative conforming to MIL-C-11796, Class 3, and wrapped with barrier material.		d. Remove barrier material and clean piston rods and ramshafts.
e. Exposed portions of piston rods and ramshafts coated with engine preservative oil conforming to MIL-L-21260.		e. Clean piston rods and ramshafts.
f. Operating valve controls blocked in neutral position.		f. Remove blocking.
g. Breather sealed with tape.		g. Remove tape.
h.		h.
i.		i.
13. MACHINED SURFACES		**13. MACHINED SURFACES**
a. Coated with preservative conforming to MIL-C-11796, Class 3, and wrapped or covered with barrier material.		a. Remove barrier and clean surfaces.
b. Coated with preservative oil conforming to MIL-L-3150 or engine preservative oil conforming to MIL-L-21260.		b. Clean surfaces.
c.		c.
d.		d.
14. AXLES AND BEARINGS		**14. AXLES AND BEARINGS**
a. Wrapped and sealed.		a. Removed wrapping, clean and lubricate as specified by the applicable lubrication order.
b.		b.
c.		c.
15. TIRES		**15. TIRES**
a. Inflated to 2/3 operating pressure.		a. Inflate to normal operating pressure.
b. Inflated to 10 PSI above operating pressure.		b. Deflate to normal operating pressure.
c. Inflated to operating pressure.		c. Check pressure. If low, inflate to operating pressure.
d.		d.
e.		e.
16. COMPRESSOR LUBRICATING SYSTEMS		**16. COMPRESSOR LUBRICATING SYSTEMS**
a. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade 10.		a. Drain and refill with lubricant specified by the applicable lubrication order. EXCEPTION: If OE10 is specified for operation, the preservative oil may be used until the first required oil change. For operation of equipment in temperatures below -10°F, drain the preservative oil and refill with lubricant specified by the applicable lubrication order.
b. Filled to operating level with engine preservative oil conforming to MIL-L-21260, Type_____, Grade 30.		b. Drain and refill with lubricant specified by the applicable lubrication order. EXCEPTION: If OE30 is specified for operation, the preservative oil may be used until the first required oil change. For operation of equipment in temperatures below -10°F, drain the preservative oil and refill with lubricant specified by the applicable lubrication order.
c. Fill to operating level with lubricating oil conforming to MIL-L-2104, Grade _____.		c. Check level of lubricant. If low, add oil of the same type and grade used in the initial fill. For operation of equipment in temperatures below -10°F, drain and refill with lubricant specified by the applicable lubrication order.
d. Filled to operating level with arctic lubricant conforming to MIL-L-10295.		d. Check level of lubricant. If low, add oil of the same type used in the initial fill.
e. Drained.		e. Fill to operating level with oil specified by the applicable lubrication order.
f. Breather sealed with tape.		f. Remove tape.
g. Dipstick sealed with tape.		g. Remove tape.
h.		h.
i.		i.
17. AIR RECEIVER TANK		**17. AIR RECEIVER TANK**
a. Drain plugs removed and secured to tank.		a. Install plugs.
b. Drain cocks open.		b. Close drain cocks.
c.		c.
d.		d.

PRESERVATION		DEPRESERVATION
18. COMPRESSOR DEHYDRATOR AND OIL FILTERS a. Desiccant charges installed in dehydrator and/or oil vapor filters.		**18. COMPRESSOR DEHYDRATOR AND OIL FILTERS** a. Remove desiccant charges and install new ones before compressor is operated.
b.		b.
c.		c.
19. BATTERIES *(Dry Charged)* a. Batteries installed in carrier and filler caps sealed.		**19. BATTERIES** *(Dry Charged)* a. Remove seals from battery filler caps.
b. Cable terminals coated with preservative compound conforming to MIL-C-11796, Class 3, and ends of cables wrapped with barrier material.		b. Remove barrier material and clear preservative from terminals.
c.		c.
d.		d.
20. ELECTROLYTE a. Electrolyte packaged and secured to equipment or base of shipping container.		**20. ELECTROLYTE** a. Remove packaging and fill batteries to operating level. Connect the battery cables. Check specific gravity.
b.		b.
c.		c.
21. CRANE HOUSE a. House swing lock secured in locked position.		**21. CRANE HOUSE** a. Unlock.
b. Anti-rotation devices installed.		b. Remove anti-rotation devices and secure in holders provided in crane.
c.		c.
22. LUBRICATION a. This equipment has been lubricated in accordance with the lubrication order except as noted on this form.		**22. LUBRICATION** a. Relubricate in accordance with the LO except as noted on this form.
b.		b.
c.		c.
23. COMPONENTS REMOVED a. Placed in tool box.		**23. COMPONENTS REMOVED** a. Replace components on end item.
b. Secured inside cab or engine compartment.		b. Replace components on end item.
c. Packed in box.		c. Replace components on end item.
d.		d.
e.		e.
24. LOCKS AND KEYS a. Packaged.		**24. LOCKS AND KEYS** a. Remove packaging.
b.		b.
c.		c.
25. OPENINGS SEALED WITH TAPE a. Generator or alternator.		**25. OPENINGS SEALED WITH TAPE** a. Remove tape.
b. Engine exhaust.		b. Remove tape.
c. Engine intake.		c. Remove tape.
d. Electric motors.		d. Remove tape.
e. Pressure regulating system.		e. Remove tape.
f. Safety relief valve.		f. Remove tape.
g. Light sockets.		g. Remove tape.
h.		h.
i.		i.
26. PUMP a. Diaphragm removed from eccentric arm and packaged. Eccentric arm secured.		**26. PUMP** a. Remove packaging and install diaphragm.
b. Rubber-faced suction and discharge valves removed and packaged.		b. Remove packaging and install valves.
c. Interior surfaces coated with preservative conforming to MIL-C-10382.		c. Clean interior surfaces with hot water and detergent followed by hot water rinse.
d.		d.
e.		e.

PRESERVATION		DEPRESERVATION
27. FOOD CONTACTING SURFACES a. Ferrous surfaces coated with preservative conforming to MIL-C-10382.		**27. FOOD CONTACTING SURFACES** a. Remove all preservative and clean the surfaces with hot water and detergent followed by hot water rinse.
b.		b.
c.		c.
28.		**28.**
29.		**29.**
30.		**30.**
31.		**31.**
32.		**32.**
33.		**33.**
34.		**34.**
35.		**35.**

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