TASK DESCRIPTION WASH ENGINES AND ENGINE ROOM. CLEAN ELECTRICAL CABINETS. DRAIN POLLUTION CONTROL TANK.
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS GM Locomotive F-59H Service Manual, Third edition, First Quarter 1994 P 1- 7
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS: CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION: A 227-liter (61 gallon) pollution control tank is bolted to the rear end of the fuel tank. This tank serves to retain effluent from the air box and engine pit drains. A drainpipe assembly is located on the bottom right side of this tank. In the event that this tank is frozen, a steam connection is available for thawing. A drain for the sump beneath the HEP engine is provided under the solebar at the rear of the locomotive on the opposite side of the locomotive to the retention tank. Prepare for washing: 1) Locomotive to be parked in the locomotive wash building. 2) Secure locomotive from movement. 3) Shut down main and HEP engine. 4) Remove the drain plugs from the end of the pipe assemblies and attach the drain hoses from the shop pollution control system.

PROCEDURE

Note: *The detergent used must be as specified by the locomotive manufacturer (alkaline based cleaning solution) or approved equivalent.*

Always be acquainted with the instructions contained in the safety data sheets provided with the product.

1 Cover all electrical devices and motors with a plastic sheet and seal with a tape to prevent infiltration of water and solvent in such equipment as electrical cabinets, electrical motors, governor magnet valves, HEP alternator, etc.

2 Using a high pressure machine and an alkaline solution:

Note: *Do not high pressure or gun wash the HEP control and contactor cabinets. Avoid pointing the washing gun towards any electrical components.*

2.1 Clean engine room walls and ceiling as well as the exterior of the central air compartment.

2.2 Clean the diesel engines, turbo-charger attached pipes and engine vee. Remove carbon/oil from engine vee.

2.3 Clean the lube oil cooler, filter box and attached pipes.

2.4 Clean air compressor and its components as well as the surrounding area.

2.5 Clean the floor on both sides of the main and HEP engines.

2.6 Clean sumps under alternator and engines.

3 Start shop pollution control system pump and open valve on locomotive pollution control tank.

4 After all the surfaces have been cleaned, mop up the accumulation of water and dirt on both sides of the engine room as well as the sumps.

5 When locomotive pollution tank has drained, close valve and open valve on HEP engine sump drain.

6 Remove the plastic sheets protecting electrical devices and motors.

7 Clean these components with a wet cloth/sponge. Take care to avoid excess moisture around electrical components and control switches.

8 Wipe all areas where additional residue may remain.

9 Mop up any excessive moisture.

10 Note the condition of painted surfaces (corrosion, paint peeling, etc.) and report to supervisor.

11 After locomotive HEP sump has drained, close valve, disconnect and store drain hoses, refit drainpipe caps.