

M157A2/M1059 SMOKE EQUIPMENT
HOT WEATHER/DESERT OPERATION

This abbreviated checklist is not to be used as a replacement for the -10 series Tech Manuals or any other PMCS guide.

General. It is important that smoke generators be inspected and maintained more frequently than normal. Problems can occur with these systems as a result of sand and dust clogging lines, filters and heads.

WARNING Keep portable fire extinguishers properly charged and readily available during smoke generator use.

1. M157A2 SGS can use the following fuels: Type 1 Automotive Combat Gasoline, MOGAS, JP1, JP4, JP5, JP8, DF1, DF2 and DFA.
2. All Quick-Disconnect (QD) couplings are removed. Shut-off ball valves are installed on fog oil tank drain, fog oil pump assembly and air compressor tank. Fuel/water separator assemblies are mounted for each M54A2 SGS and each five-gallon fuel can has a new Fuel Can Lid Assembly (FCLA) which stays attached to the can when refueling is required.
3. Drain water due to condensation from fog oil tank, compressed air tank and both fuel/water separator assemblies each morning.
4. Perform Operator PMCS IAW TM 3-1040-283-10.
5. If FCLA has to be removed from the five-gallon fuel can, disconnect vent and return supply hoses from elbow flare fittings. Tape over all hose ends, elbow fittings and remove five-gallon fuel can with attached FCLA.
6. Reference: TM 3-1040-283-10 & TM 9-2350-277-10

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