

16. Check hand held fire extinguishers.
17. Have/keep extra water containers.

**GTA 43-01-031**

**SMALL EMPLACEMENT EXCAVATOR (SEE)**  
**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***

**FM 90-3, DESERT OPERATIONS contains detailed instructions for living and working in the desert.**

**TM 5-2420-224-10 contains detailed PMCS instructions for proper maintenance and operation.**

**NOTE:** A very high standard of maintenance is essential to long term operation under conditions of extreme heat. High temperature can cause early failure of systems. Constant checking is necessary to prevent failures.

**EXTREME HEAT**

1. Watch engine oil pressure and coolant temperature gauges closely.
2. If any warning lights or buzzers are ignored, damage may result.
3. Follow proper engine cool down and shutdown procedures.
4. Idling will cool the engine faster than a quick shutdown and may prevent damage from remaining engine heat.

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5. Do not operate the engine with hood or inside engine cover removed as this causes air turbulence and leads to ineffective cooling.
6. Make sure all air inlets are kept clear to permit cooling.
7. Cover the gap between the fuel nozzle and the fuel tank filler neck opening during refueling operations.
8. Start up vehicles regularly to prevent discharge of batteries.
9. Check air cleaner indicator light more frequently. Clean dust discharge valve regularly and notify unit maintenance if the indicator light comes on.
10. Make sure operator's compartment doors, windows, and vents are tightly closed.
11. When vehicle is not in use, cover external operator's controls and area to protect them from windblown dust or sand.
12. Check hydraulic cylinders, levers, and linkage frequently. Do not allow dust, dirt, or sand to collect on these surfaces.

### **GENERAL**

1. Lubricate at more frequent intervals. Use correct lubricates, refer to TM 5-2420-224-10.
2. Check for proper tire inflation.

3. Lubricate suspension items daily, and clean grease fittings.
4. Clean sand and dirt away from vehicle.
5. Clean away any excess lubrication or fluid seepage.
6. Check hydraulic fluid reservoirs.
7. Check drive belt adjustments frequently.
8. Keep lubrication to the absolute minimum on exposed or semi-exposed moving parts.
9. Protect exposed electrical cables and wires with electrical tape.
10. Drain fuel filters at night and in the morning due to condensation.
11. Check all hoses and fittings frequently to insure proper fit.
12. Keep radiators and air flow areas around engines clean and free of debris and other obstructions.
13. Cooling hoses must be kept tight (a drip a second loses 7 gallons of fluid in 24 hours).
14. Keep batteries full, but not overfilled.
15. Keep battery air vents clean, or vapors may build up pressure and cause the battery to explode.