

**HYEX TYPE I & II**

**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 5-3805-280-10** 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.**

**ENGINE OPERATION**

1. Use correct lubricates, refer to TM 5-3805-280-10.
2. Watch engine and transmission oil temperature and pressure lights closely.
3. If any warning message or oil levels are ignored, damage may result.
4. Check oil levels frequently.
5. Follow proper engine cool down and shutdown procedures.
6. Idling will cool the engine faster than a quick shutdown and may prevent damage from remaining engine heat.

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### **ENGINE OPERATION (continued)**

7. Make sure all air inlets are kept clear to permit cooling.
8. Check all hoses and fittings frequently to insure proper fit.
9. Ensure radiator air inlet screen is clean and free of debris.
10. Start up vehicles regularly to prevent discharge of batteries.

### **MAINTAIN BATTERIES**

1. Check battery specific gravity (refer to TM 5-3805-280-10).
2. Watch ELECTRICAL SYSTEM voltmeter closely.
3. Keep batteries full, but do not overfill.

### **GENERAL**

1. Check track tension daily.
2. Lubricate suspension items daily, and clean grease fittings.
3. Check lubrication orders and TM's for the correct viscosity of lubricants for higher temperatures.
4. Clean sand and dirt away from vehicle.
5. Clean away any excess lubrication or fluid seepage.
6. Check hand held fire extinguishers.
7. Check main hydraulic fluid reservoir.
8. Have/keep extra water containers.