

50, 65, 100, and 125 GPM DED FUEL AND WATER PUMPS
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. The **TM 10-4320-348-14** 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.

OPERATE ENGINE IN EXTREME HEAT

1. Protect pump from direct heat or the sun.
2. Use OE/HDO 15w40 engine oil.
3. If overheating occurs in extreme conditions, shut down engine immediately.
If possible, protect pump unit from direct heat or the sun.
4. Keep engine oil fill cap tight and dipstick seated to prevent contamination.
5. Wipe spilled lubricants from assembly to avoid collecting dust and sand.
6. Use care when servicing fuel tank to prevent sand and dirt entering the fuel system. Keep fuel tank fill cap tight.
7. Check air filter service indicator often. Replace air filter elements as necessary.
8. Check oil levels frequently.
9. Follow proper engine cool down and shutdown procedures.
10. Run engine at idle for about 5 minutes before shutting down.

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OPERATE ENGINE IN EXTREME HEAT (continued)

11. Idling will cool the engine faster than a quick shutdown and may prevent damage from remaining engine heat.
12. Check all hoses and fittings frequently to insure proper fit.

OPERATE PUMP IN EXTREME HEAT

1. If suction and/or discharge hoses are not connected to the pump, be sure that the suction and discharge port dust caps and plugs are securely installed in the ports.

OTHER DESERT OPERATION PMCS

1. Check lubrication orders and TM's for the correct viscosity of lubricants for higher temperatures.
2. Clean sand and dirt away from pump.