

| Monthly | Pre-Trip | Every 1,200 Hours | Annual 3,000 Hours | Inspect/Service These Items |
|---------|----------|-------------------|--------------------|--|
| | | | | ThermoGuard VII HMI |
| • | • | | | Check seal and operation of protective cover after each use of the ThermoGuard VII HMI Control Panel. Inspect for damage to the enclosure. |
| | | | | Engine |
| | | | | <i>These service intervals require the use of either CJ-4 (or better) mineral oil or synthetic oil.</i> |
| | • | | | Check fuel supply. |
| • | • | • | | Check engine oil level. |
| • | • | • | | Inspect belts for condition and proper tension. |
| • | • | • | | Check engine oil pressure; hot, high speed. Minimum 40 psig (276 kPa, 2.8 bar). |
| • | • | • | • | Listen for unusual noises, vibrations, etc. |
| • | | • | | Dry air cleaner. Replace air cleaner element at 2,000 hours or 1 year (whichever occurs first). |
| | • | • | | Clean and service crankcase breather and check air cleaner hose for damage. |
| | • | • | | Inspect and clean fuel prefilter and electric fuel pump filter. |
| | | • | • | Drain water from fuel tank and check vent. |
| | | • | • | Check and adjust engine speeds (high and low speed). |
| | | | • | Check condition of engine mounts. |
| | | | • | Maintain year around antifreeze protection at -30 F (-34 C). |
| | | | — | Change ELC (red) engine coolant every 8 years or 15,000 hours. |
| | | • | | Oil change interval with API classification CJ-4 (or better) mineral oil or synthetic oil. Note Seasonal oil change is recommended. Refer to long-term storage procedures. |
| | | | | Electrical |
| • | • | • | • | Check for charge and discharge (glow plug) operation. |
| | | • | • | Inspect battery terminals and electrolyte level. |
| | | • | • | Check operation of protection shutdown circuits. |
| | | • | • | Inspect wire harness for damaged wires or connections. Check for tight terminal connections. |
| | | | • | Inspect DC (battery charging) alternator bearings and brushes. |
| | | | | Structural |
| • | • | • | • | Visually inspect unit for fluid leaks. |
| • | • | • | • | Visually inspect unit for damaged, loose, or broken parts (includes air ducts and bulkheads). |
| | | • | • | Inspect lubricant leakage and bearing wear (noise). |
| | | • | • | Check all unit and fuel tank mounting bolts, brackets, lines, hoses, etc. |