

**P-100 PUMP SYSTEM CHECK SHEET**

FOR: USS \_\_\_\_\_

DATE: \_\_\_\_\_

- REF: (A) PMS 6641/019  
 (B) NSTM 555 REV 9  
 (C) NSTM 079VOLII  
 (D) TECH MANUAL NAVSEA S622-NM-MMC-010

	IAW	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT
<b>PUMP SERIAL NR</b>							
<b>Suction lift distance:</b>							
<b>A. INSPECT P-100 PUMP UNIT:</b>	PMS R-5						
1. Inspect pump unit frame for: (1) Inspect skids for cracks or damage. (2) Inspect carrying handles for proper operation, damage, loose pins, or loose mounting hardware. (3) Inspect engine mounts for cracks, damage, or loose bolted connections.	R-5						
2. Inspect pump suction and discharge fitting threads and exhaust flange for damage. Ensure suction and discharge caps are available.	R-5						
3. Inspect hoses, tubes, fittings, and clamps. (1) Inspect for loose or damaged clamps and fittings. (2) Inspect hoses and tubes for signs of leaks, cracks, kinks, bulges, or deterioration. (3) Inspect 18 inch extension hose. (hydro and condition) (4) Inspect wye-gate and tri-gate for condition and operation.	R-5						
4. Inspect recoil starter. (1) Inspect starter housing for cracks or loose mounting hardware. (2) Depress decompression lever and slowly pull starter rope fully out and inspect for wear. (3) Inspect starter rope guide for cracks or damage.	R-5						
5. Inspect controls and indicators for damage and proper operation: (1) Engine speed lever and thumbscrew assembly (2) Throttle linkage assembly (3) Fuel cock valve (4) Exhaust primer shut off valve (5) Pump drain valve (6) Compound pressure gage (7) Fuel level tube	R-5						
6. Inspect exhaust priming assembly. (1) Inspect primer exhaust valve assembly for damage. (2) Inspect exhaust valve discharge flange for damage or carbon buildup. (3) Ensure that exhaust priming ejector is free from carbon buildup or obstructions. (4) Manually cycle exhaust primer valve to verify freedom of operation.	R-5						
7. Inspect air filter housing for damage or corrosion.	R-5						
8. Inspect engine assembly. (1) Inspect for leaking gaskets, fittings, or seals. (2) Inspect for corrosion of engine castings, covers, and mounting and assembly hardware. (3) Inspect flywheel cover for damage, corrosion or loose mounting hardware.	R-5						
9. Is the spare fuel tank red in color and have a 4 inch wide purple band and stenciled; is the fuel tank mounted to the pump and have no missing or loose hardware?	555(4.11.2.9 .5.1)						
<b>B. INSPECT AND TEST PUMP SUCTION LIFT FOR LESS THAN AND GREATER THAN 20 FT: Note: one pump must be rigged for deep suction (greater than 20 ft)</b>							
Note: check distance to water source. If suction lift (vertical height) exceeds 20ft an eductor must be used.	M-2						
1. Inspect engine fuel level.	M-2						
2. Inspect engine oil level on a level surface with engine stopped.	M-2						

