

PRE START-UP / POST START-UP CHECK LIST

CENTRIFUGAL PUMPS

START-UP DATE:		ORDER No.:		SERIAL No.:	
PUMP SIZE	MIN. SUCT.PRESS.	FLOW	HEAD	VOLT _____ PHASE _____ Hz _____	
CHECK THE FOLLOWING AT PRESTART-UP			OK	REMARKS / CORRECTIVE ACTIONS	
1. STORAGE Verify equipment for improper storage or mishandling.			<input type="checkbox"/>		
2. INSTALLATION Compare electrical supply to one indicated on motor nameplate. Compare current rating of overload relays and fuses in controller against full load current value on motor nameplate.			<input type="checkbox"/> <input type="checkbox"/>		
3. ALIGNMENT Verify the alignment of driver to pump. (Horizontal Pumps Only) Verify suction and discharge for pipe strain. Do the flanges meet squarely?			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Indicate alignment reading _____	
4. ROTATION Manually turn coupling to assure free rotation of pump and motor.			<input type="checkbox"/>		
5. SYSTEM Insure system is free of foreign matter which could damage the pump. Responsible parties present when equipment is energized.			<input type="checkbox"/> <input type="checkbox"/>		
6. DIESEL DRIVEN FIRE PUMP ONLY Engine coolant filled to the proper level? Engine oil filled to proper level? Fuel line from the tank connected to engine (supply and return)? Fuel tank filled with proper diesel fuel? Silencer properly connected to engine and outside? Engine controller wiring connected to engine junction box? Is engine jacket water heater connected to AC power? Batteries charged (<u>MIN.24 HRS PRIOR TO START-UP</u>) and connected to engine?			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
CHECK THE FOLLOWING AT POST START-UP			OK	REMARKS / CORRECTIVE ACTIONS	
6. VIBRATION Upon the occurrence of excessive vibration or noise, was equipment immediately shut down?			<input type="checkbox"/>		
7. FLOW Has flow been established? Take gauge and amperage readings (if motor driven) ? Packing been adjusted to a slight leakage? If pumps are equipped with mechanical seals, has the establishment of a clear source of water to lubricate the seals been made? Is the lubricating seal water pressure a constant 10 to 15 PSI above the discharge of the pump?			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
8. READINGS Flow, pressure and amperage readings taken immediately after correction of all problems and restart.			<input type="checkbox"/>		

CUSTOMER'S REPRESENTATIVE(S) WITNESSING TESTS:

ARMSTRONG PUMP DIV., REPRESENTATIVE CONDUCTING TESTS:

WITNESS _____

WITNESS _____

DATE: _____

DATE: _____