



PATTERSON PUMP COMPANY / A Subsidiary of The Gorman-Rupp Co.
P.O. Box 790 / Toccoa, Georgia 30577 / (706) 886-2101 / FAX (706) 886-0023
www.pattersonpumps.com

General Pump Inspection and Maintenance Schedule

Split Case Pumps

Excludes motors, engines, gear drives, VFD's, and controls.

Actions required only for specific pump types are so noted.
The symbol (■) used in the table below indicates that the action indicated may not be applicable to a specific pump of a particular type.
For more information regarding inspection and maintenance requirements refer to the Patterson O & M manual supplied with the pump.
Contact Patterson Pump Company if assistance is needed to determine the inspection and service requirements for a specific pump.

Inspect (✓) or service (●) at the indicated calendar time or run time interval – whichever comes first	4 hours	Routinely	Monthly	2000 hours or 3 months	4000 hours or 6 months	8000 hours or 12 months
Unusual noise		✓				
Unusual vibration		✓				
Unusual temperature		✓				
Leaks in pump or piping		✓				
Pressure gauge readings		✓				
Visual inspection of equipment general condition		✓				
Anytime a pump is opened, inspect the running clearances and restore them to original specifications if the running clearances have doubled (adjust ring clearances if so supplied or install new wear rings)		✓ ●				
Anytime a pump is opened, inspect the impeller for corrosion or excessive wear.		✓ ●				
Packing box – verify slight leakage (if excessive, adjust gland or seal water valve; replace packing if required) ■		✓ ●				
Mechanical seal (should be no leakage) ■		✓				
Drain lines are working properly ■		✓				
Coupling integrity ■		✓				
Operate the pump			✓			
Tightness of foundation and hold-down bolts				✓		
Check coupling alignment and integrity (maintain records) ■				✓		
Add grease to pump anti-friction bearings (maintain records) ■				●		
Add grease to coupling (maintain records) ■				●		
Change anti-friction bearing oil (maintain records) ■				●		
Replace packing (all packing; not just the outermost ring) ■					●	
Clean and oil gland bolts (packed pumps) ■					●	
Verify free movement of packing glands (packed pumps) ■					✓	
Clean packing box						●
Check and flush seal water and drain piping						●
Perform a comparative field test (flow, pressures, and power) with calibrated instruments. Restore internal running clearances if results are unsatisfactory (install new wear rings).						✓ ●
Perform a comparative vibration test						✓
Remove packing and inspect sleeve(s). Replace if worn. (packed pumps) ■						✓ ●
Realign coupled pumps (maintain records) ■						●