



FIRE PUMP TESTING CHECKLIST

Pump ID / Location:	_____	Date:	_____
Tester Name:	_____	Supervisor/Inspector:	_____

1. Pre-Test Checks

Administrative

- Test scheduled & personnel notified
- Required permits/approvals obtained
- Manufacturer's instructions & NFPA 25 reviewed
- Test log sheets & calibrated instruments prepared

Safety

- Test area barricaded & access restricted
- Drainage for discharge water confirmed
- PPE worn (hearing, gloves, boots, eye protection)
- Emergency shutdown procedure reviewed

Pump System

- Pump room clean & accessible
- Pump controller in automatic mode
- Suction valves open & water supply adequate
- Discharge/test header valves correctly positioned
- Jockey pump operational

Mechanical & Electrical

- Pump, driver, and controller inspected
- Fuel, lubrication, and cooling systems checked
- Electrical connections and battery (diesel) inspected
- Relief valves operational

Instrumentation

- Pressure gauges & flow meters calibrated
- Tachometer / RPM measurement device ready
- Test log sheet prepared

2. Test Procedure

No-Flow (Churn) Test

- Start pump & reach operating speed
- Record suction/discharge pressures, RPM, amps/load
- Observe vibration, noise, leaks, relief valve operation

Stop pump

Rated Flow Test

- Open test header to achieve rated flow
- Record flow rate, suction/discharge pressures, RPM, amps/load
- Verify discharge pressure within $\pm 5\%$ of rated

150% Flow Test (if applicable)

- Increase flow gradually to 150% of rated capacity
- Record flow, suction/discharge pressures, RPM
- Observe pump performance & relief valve operation

Jockey Pump Verification

- Verify automatic start and pressure maintenance

3. Post-Test Checks

- Close test header valves
- Return all valves to normal operating position
- Record final static pressure
- Inspect pump and piping for leaks
- Remove instruments and gauges
- Complete test log and compare with pump performance curve
- Recommend maintenance or corrective action if required

Sign-Off

Tester:	_____	Date:	_____
Supervisor/Inspector:	_____	Date:	_____

Notes / Observations:
