

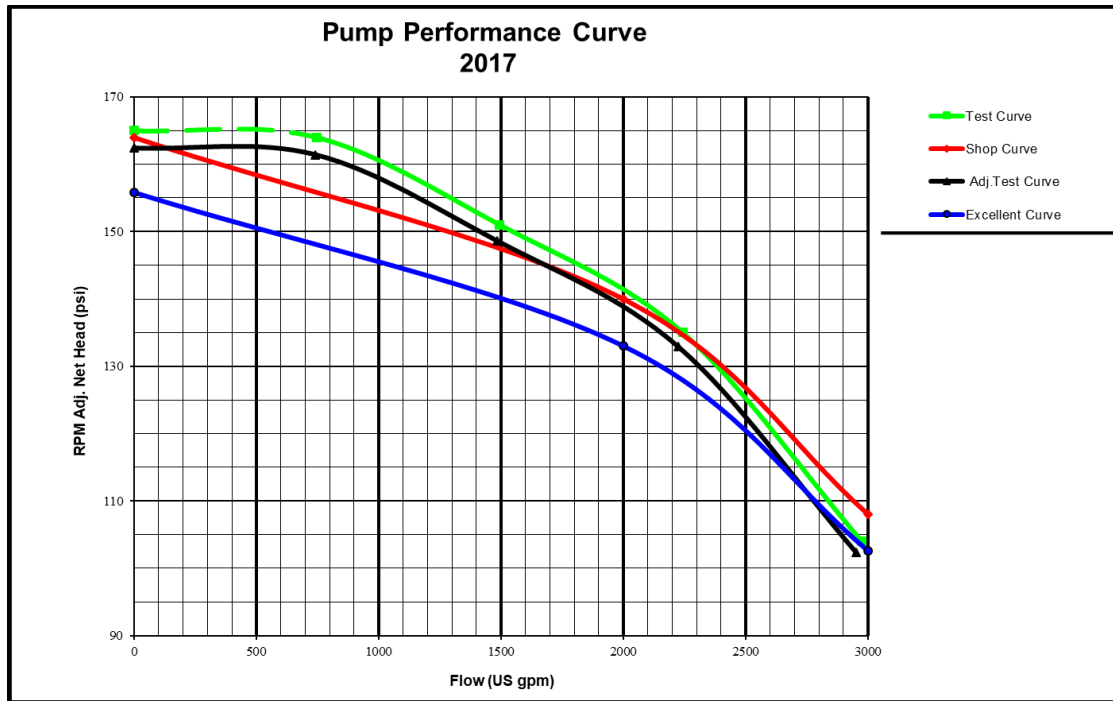
Fire Pump Performance Testing



Allrisk Engineering aims to provide quality, on-time service that is a cut above the competition. Along that line of thinking, we now provide NFPA 25 based performance testing for fire pumps. What sets us apart? We believe it is the analysis of results. Many contractors can test your pumps and generate data, but few provide meaningful analysis of this data. How many times have you had your pumps tested and all you get is a one page sheet of numbers? Did my pump perform well enough to provide the necessary flow and pressure I need during a fire event? Will the insurers request a retest?

At Allrisk Engineering, we analyze the test data in a transparent, code driven manner. We use performance based criteria developed over years of experience to graphically show whether a fire pump “passed” the test or needs some maintenance work. Additionally, we will continue to analyze your data year after year, developing trends to detect deterioration in the pump or driver before it “fails” the test. We will work with you to determine your needs and develop a test methodology that best fits these needs. Each site is unique and each water supply has different elements, therefore, we will provide you with a customized testing process.

So, if you’re not sure if you need help with your fire pumps, please give us a call at your convenience. We can take the hassle and worry out of your fire protection water supply testing process.



Fire Pump performance testing includes:

- Testing of starter under battery operation (loss of power simulation).
- Testing of automatic pump start through loss of pressure in firewater supply.
- Inspection of pressure relief valves for proper operation at churn.
- Observation and recording of pump speed measurements taken by a Stroboscope or Tachometer
- Inspection of driver fuel system, cooling system and exhaust system.
- Inspection of diesel fuel storage.
- A flow test of each pump under no-flow (churn), rated flow, and 150 percent of the pump rated capacity with approved testing devices.
- Calibrated gauges to ensure the accuracy of the results.
- Development of graphical performance curves based on raw data and speed adjusted curves for each pump.
- Trend analysis based on a minimum of five years of pump test data.

