



Signature Tester Data Samples

The test equipment is connected between a hydraulic supply and the equipment to be tested. While operating the equipment, pressure vs. time is recorded on a suitably scaled chart recorder or data-logger. The newly captured chart is compared against "good data." The characteristic performance curves are then interpreted to determine if the performance is within an acceptable range. An anomaly is usually an indication something is wrong. The primary benefit of the test equipment is to reduce infant and old age mortality failures. It is common for equipment to fail following manufacturing, repairs or when it has become aged. Typical use of this equipment includes: factory acceptance testing of RAM BOPs, annulars, connectors, valves; acceptance testing of BOP stacks and trees prior to shipping, on-hire acceptance testing of production and offshore drilling rigs, pre deployment testing of trees, and BOP stacks following repairs and maintenance. Because the test unit aids in evaluating the performance of the equipment, it is also useful in performance based maintenance programs, as opposed to time-based maintenance. Too much maintenance is often the cause of infant mortality failures.

