

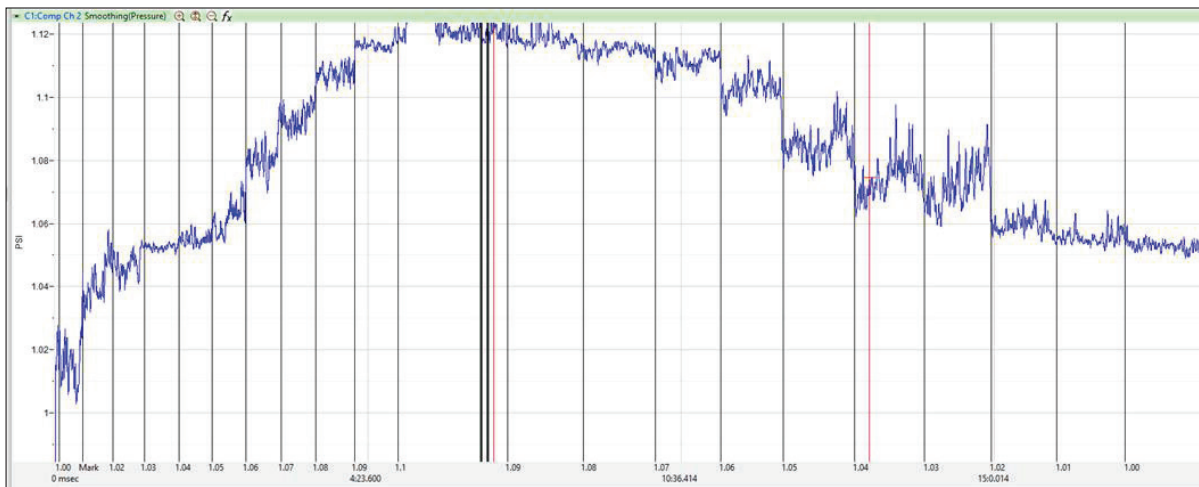


Compare Compensation Pressure Accuracy

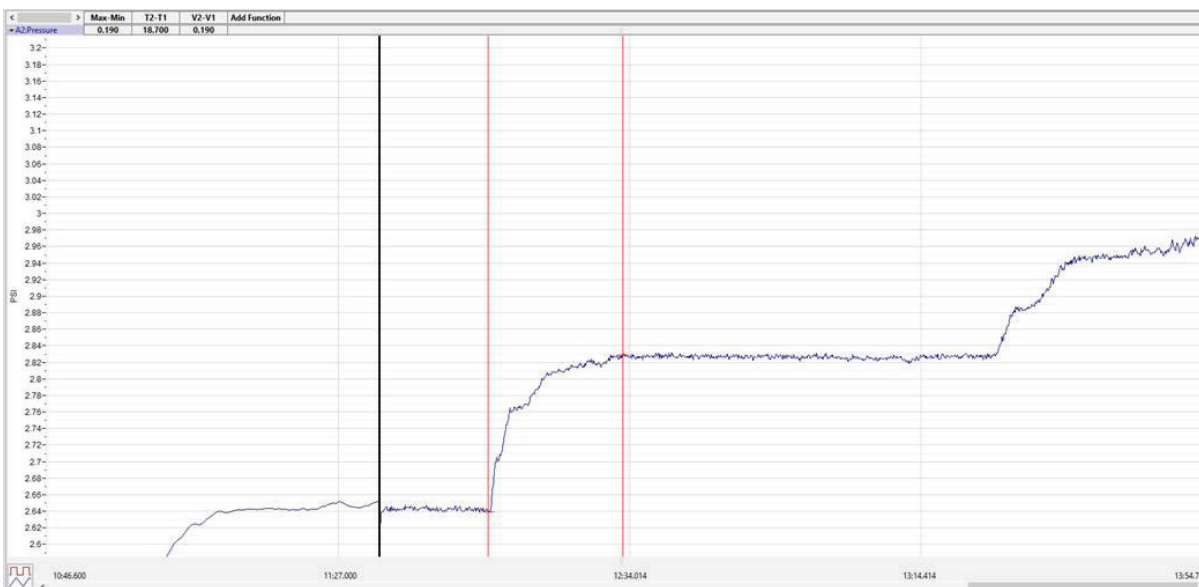
Legacy versus New Generation Microinjectors

The compensation/HOLD pressure adjustment sensitivity was compared from the New Generation of injectors to the legacy injectors. The settings of the NEW generation injector has been set to a precision of 0.01 PSI (0.069 kpa) per step when the adjusting is below 3.0 PSI (20.6 kpa) on the compensation setting.

See Below:



In the PV820, we attempted to perform the minimum movement necessary to induce a pressure change. The result was a minimum change of around .18 PSI (1.24106kpa). The settling time was between 18 and 22 seconds.



Conclusion:

The accuracy of the output pressure on the NEW Generation microinjectors presents an improvement on the resolution and should perform better than the legacy microinjectors.