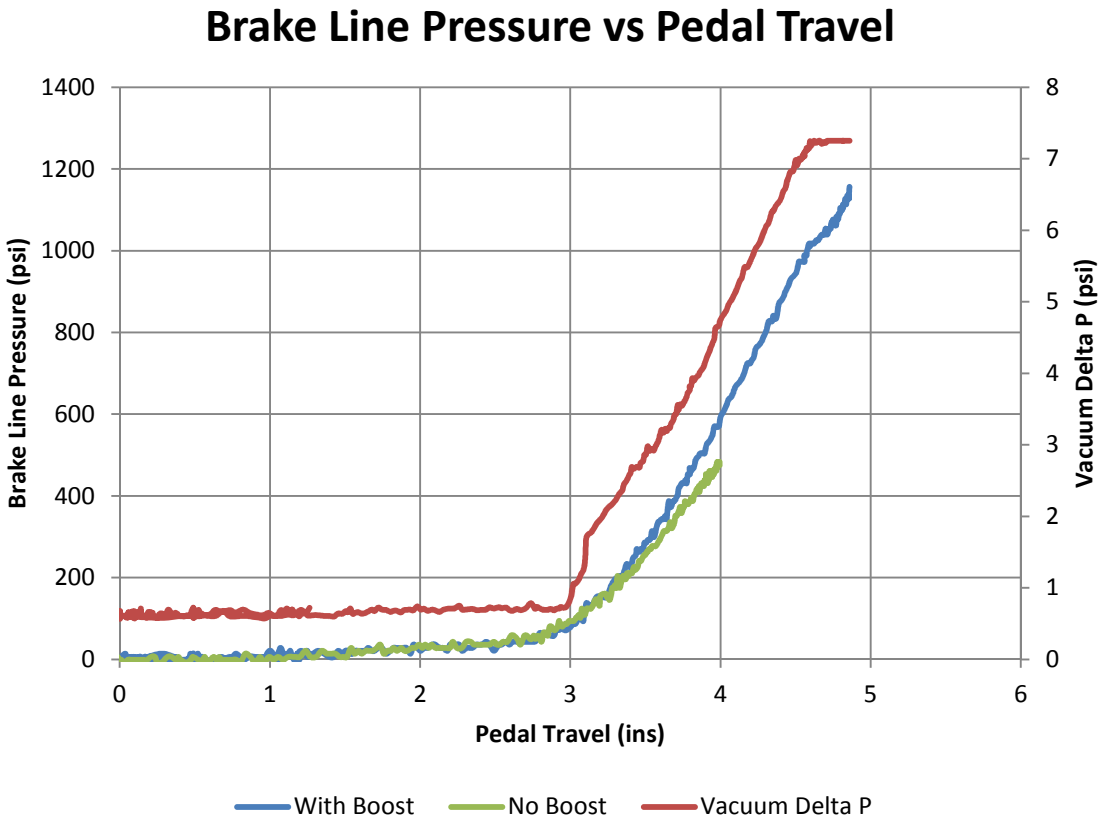
Experimental results



Points of note:-

a) **Vacuum boost starts at 3" pedal travel with a sudden upward movement due to air valve opening**
b) **Ultimate pressure increase is almost 2X even tho' the specified servo boost pressure ratio is 4.25 (this is explainable)**
c) **Flattening of delta p at 7.2 psi is due to pressure ratio being limited by atmospheric pressure on one side of the diaphragms**
d) **It was initially expected that the no boost curve would be ~ 25% of boost curve. As it does not it seems that this is due to flow resistance change between boosted and non boosted situation. This could be resolved by measuring the master cylinder pressure under boosted situation**
e) **The delta P at low pedal is ~0.6 psi and it is suspected that this is due to a pressure drop across the vacuum inlet check valve.**