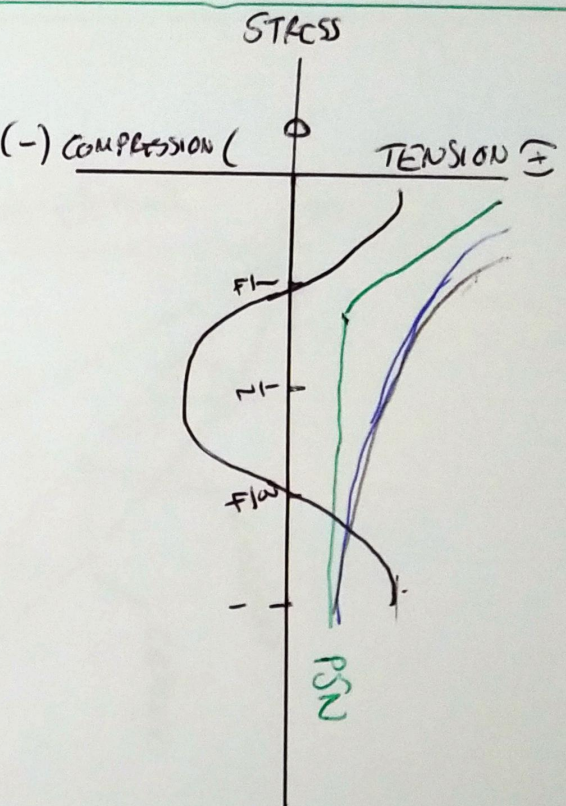


4b



4a

The Wöhler machine has an offset cam that causes the load to stroke up and down, when it is stretched the load is under tension stress, when the load climbs the spring compresses resulting in compressive stress (each rotation is one cycle which is the (N))

4c

PSN - curve

The PSN curve demonstrates fatigue where the measurement samples intersect will identify the point of failure this may be at periods of high stress or extended life