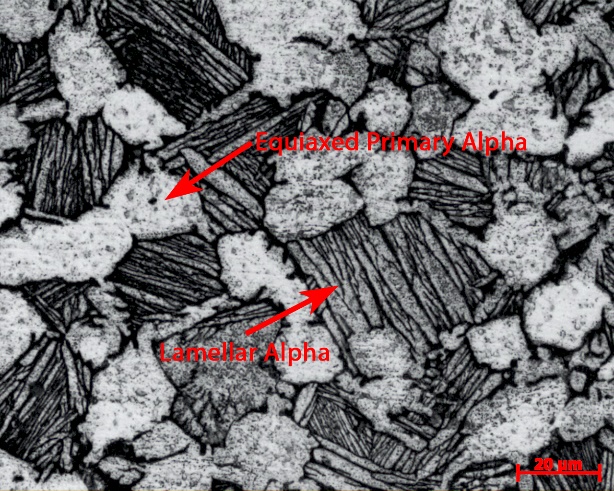
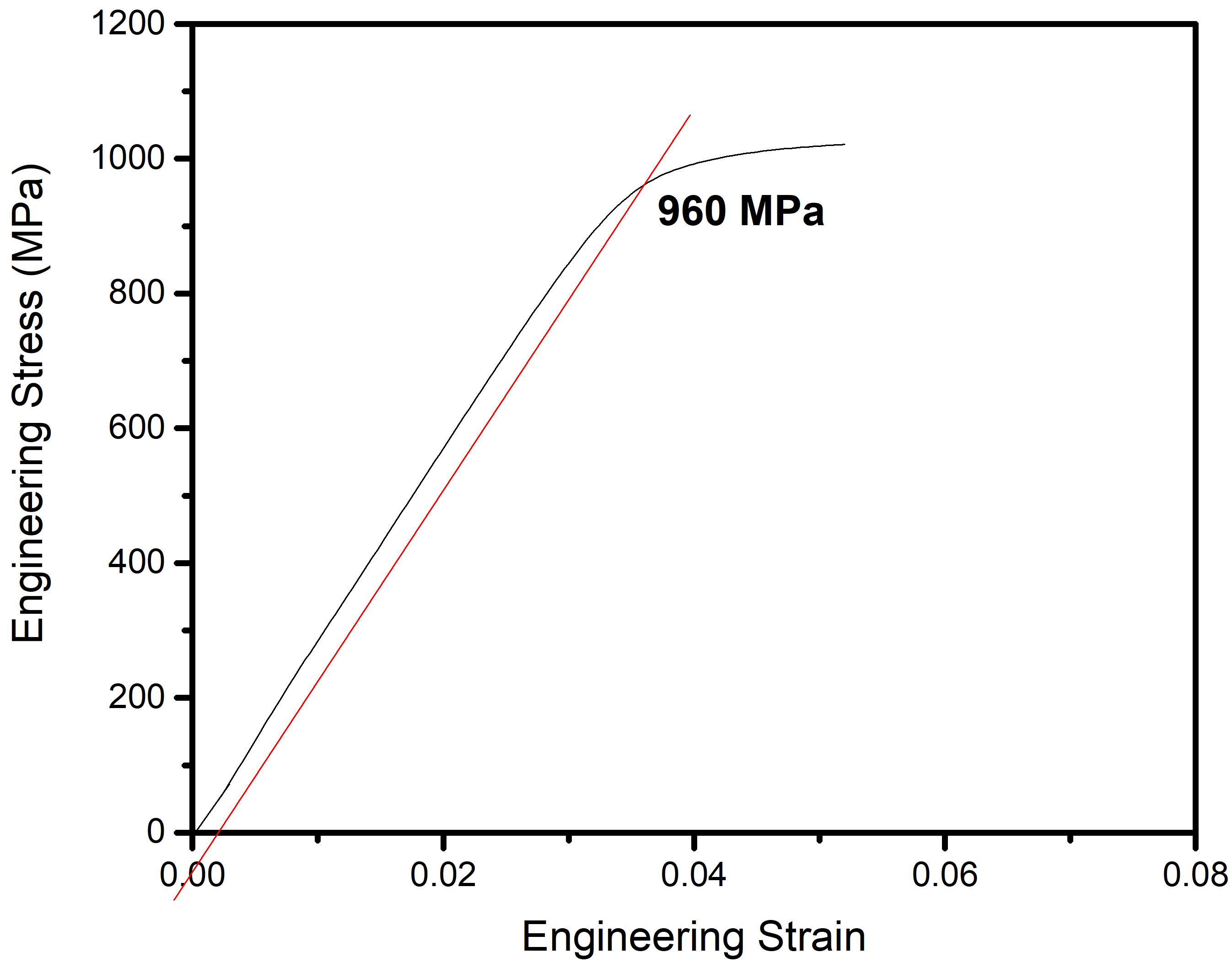
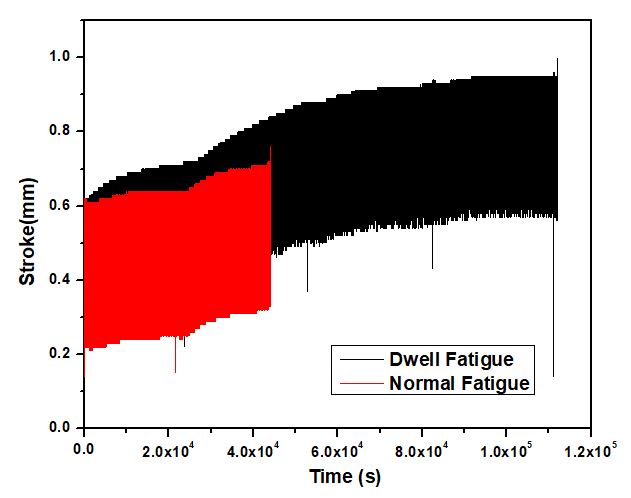
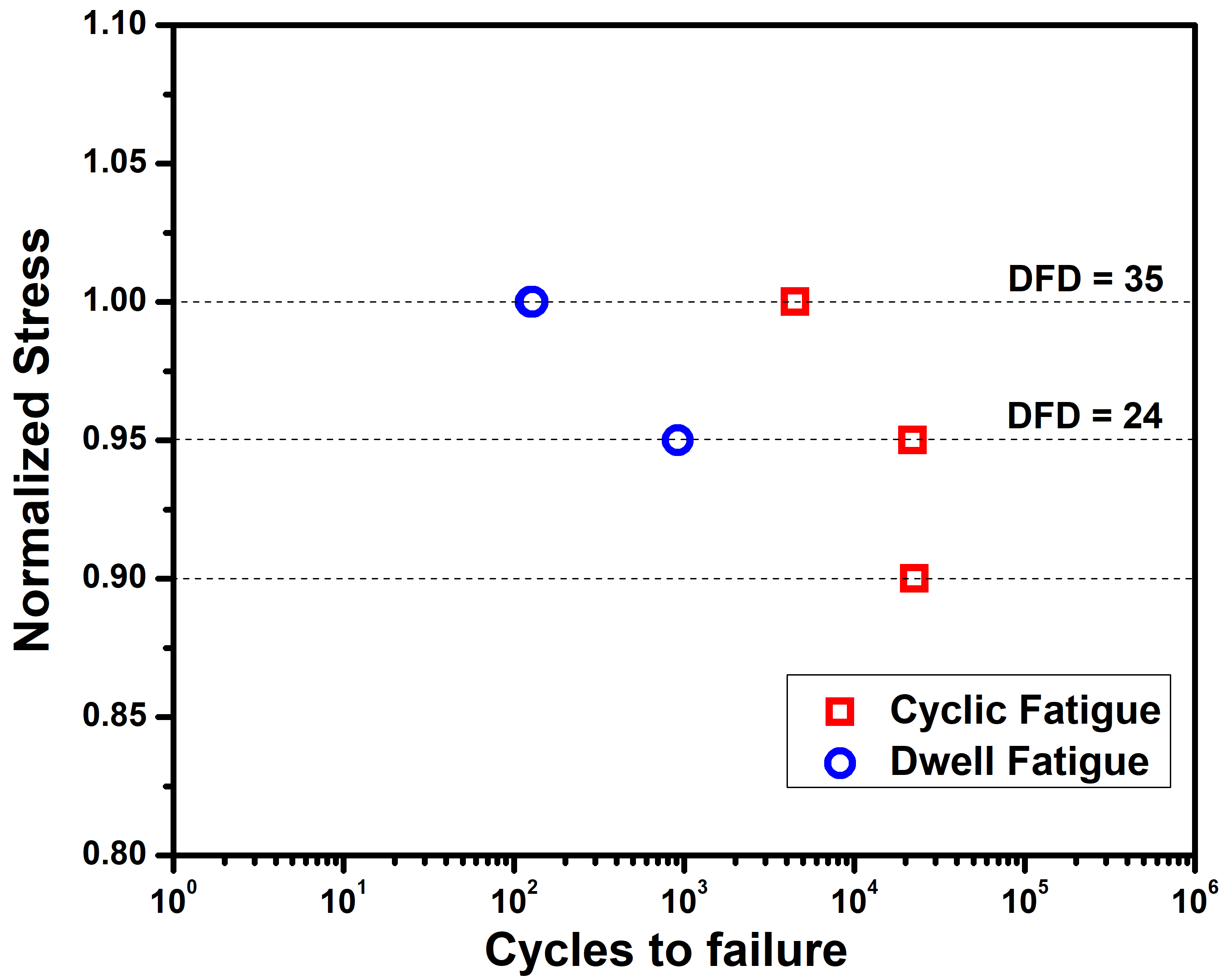
# **Fatigue and Dwell Fatigue studies on Ti-6242 and Ti-6246 Alloys**

Initial work involved measuring fatigue life for as-received Ti-6242 alloys. The Yield strength of as-received Ti-6242 was found to be 960 MPa, which was measured from a tensile test at a constant strain rate of 3.3 \* 10-2 S-1.



**Tensile Test**



**S-N Curve Displacement Vs Time**