

# Repeated Load Triaxial tests on Asphalt Mixes under slow duration loads

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Wareere Drive  
T16/2055  
Core from Road  
Core 4

AC20  
40/50  
Bit

2

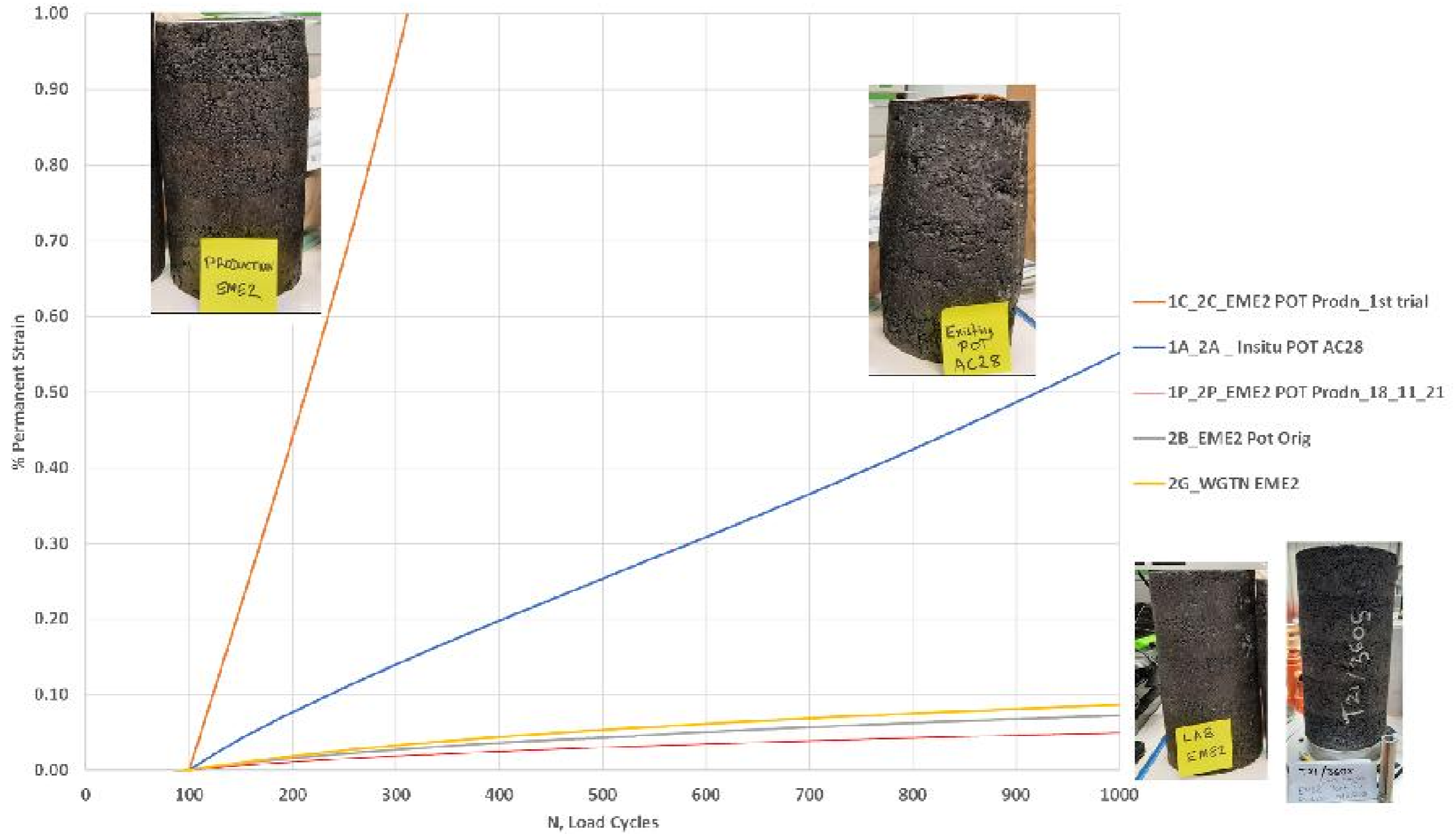




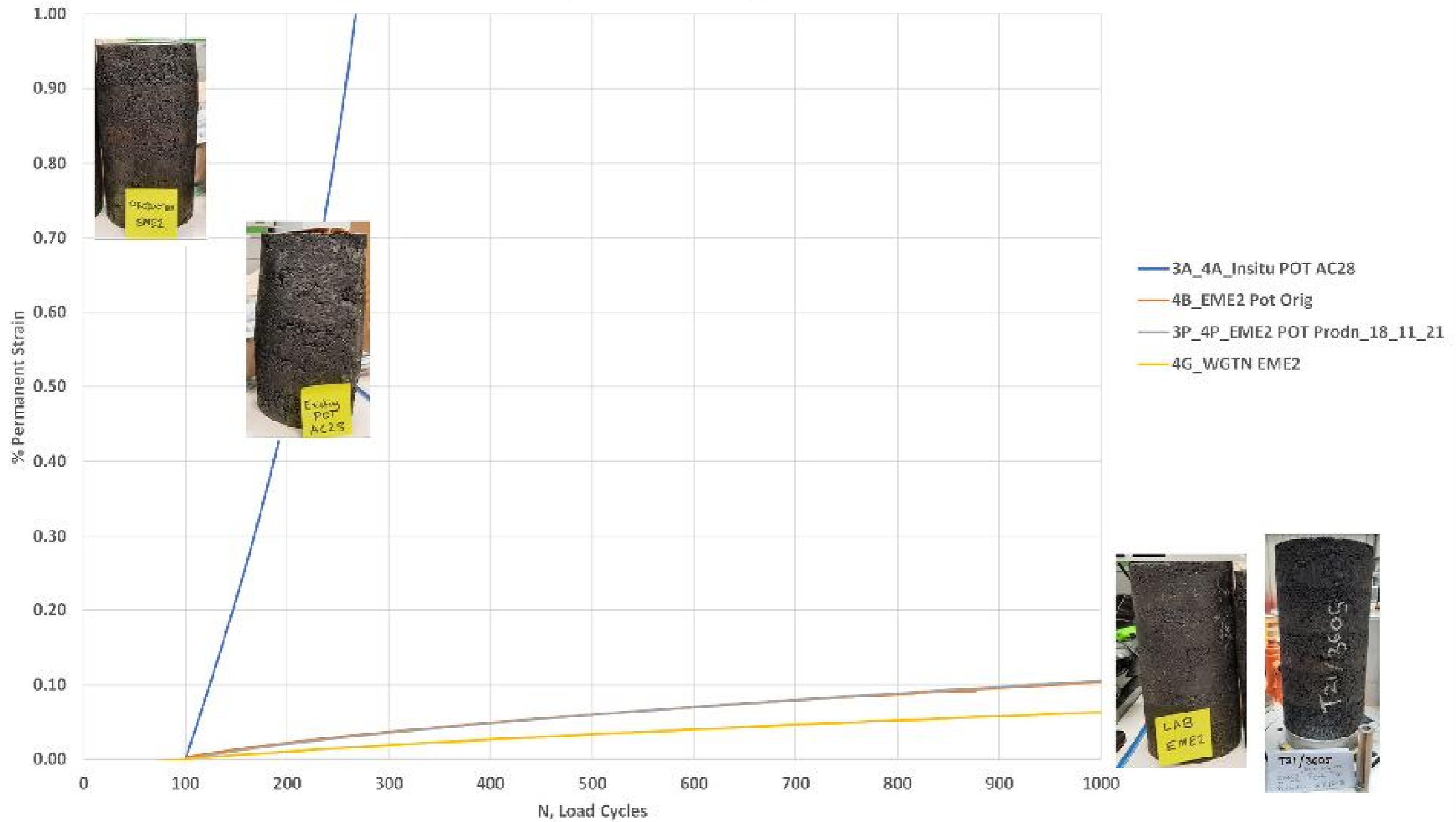




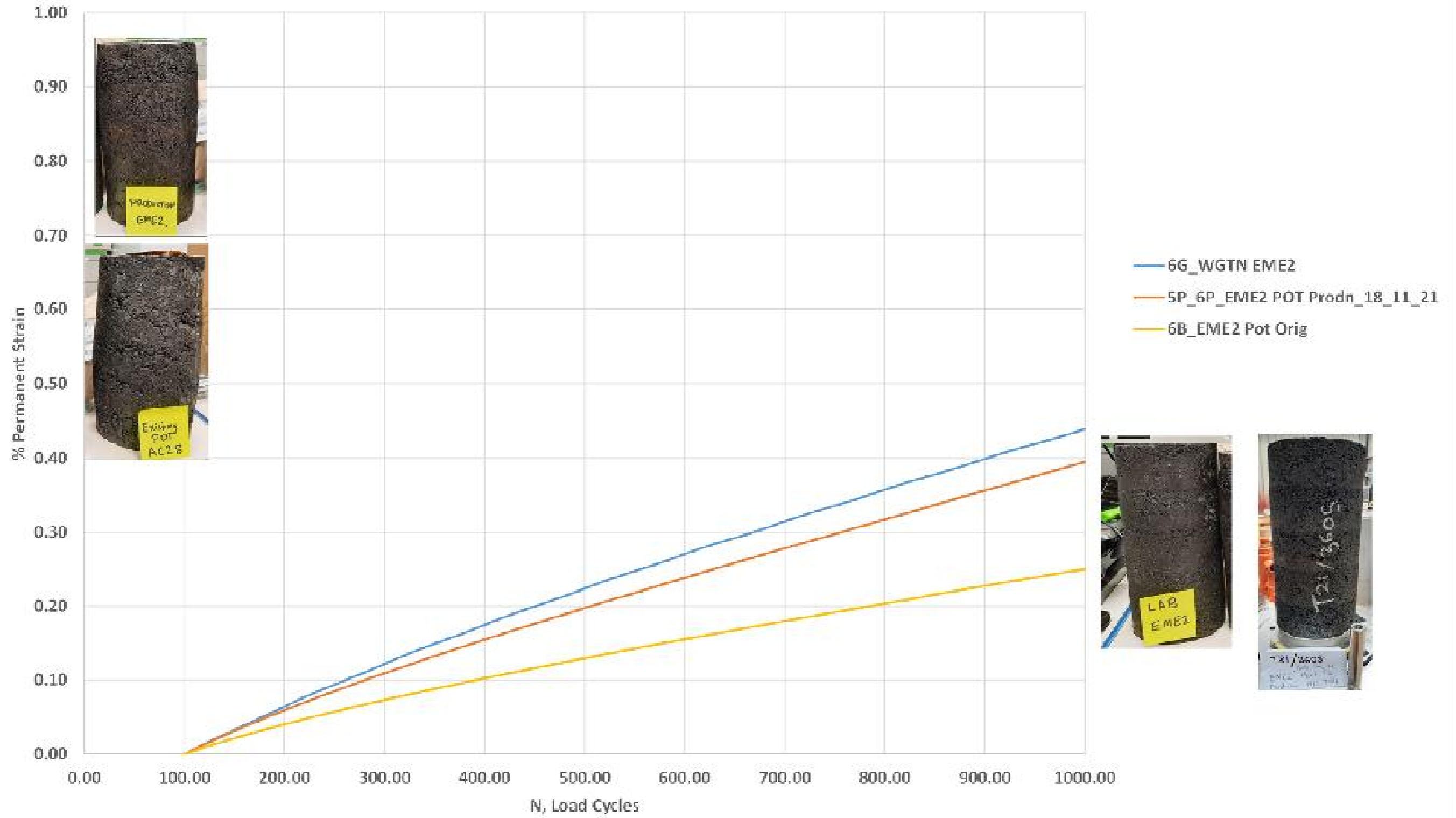
40 deg C - 0kPa Confinement (zeroed at 100 cycles) - 550kPa Vertical - 10 second load duration



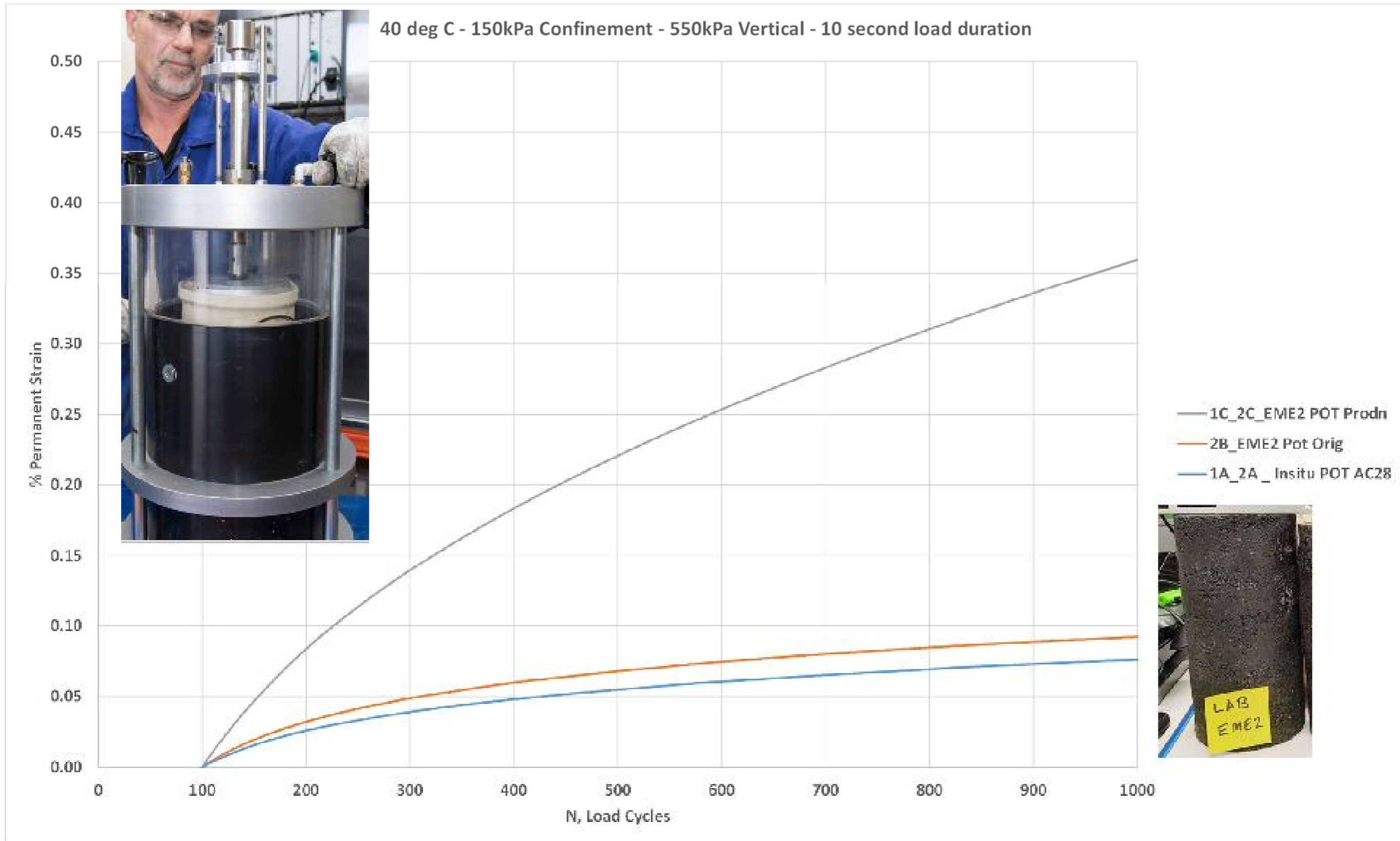
50 deg C - 0kPa Confinement (zeroed at 100 cycles) - 550kPa Vertical - 10 second load duration



60 deg C - 0kPa Confinement (zeroed at 100 cycles) - 550kPa Vertical - 10 second load duration



# 150kPa Confinement Pressure – All Good Results



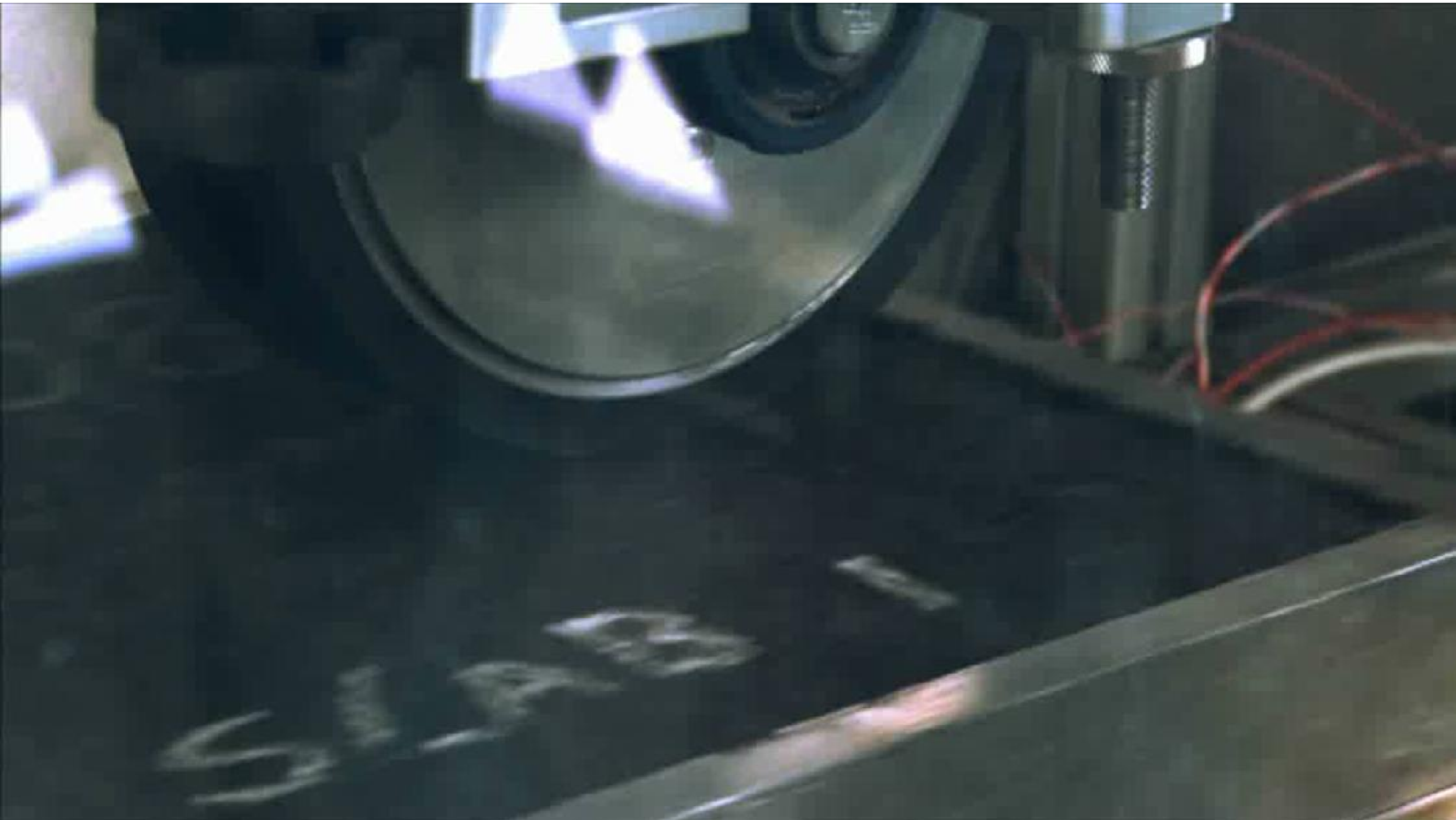
# RUT RESISTANCE – 60 deg Wheel Tracking

10,000 Passes

60,000 Passes (EME2 Spec)

All gave good results <2mm (Spec allows up to 6mm)







Standard AC28 RLT Mix Performance Poor and rutted (35mm)





Standard AC28 RLT Mix Performance Poor and rutted (35mm)





Plant Issues and RLT Mix Performance of  
Production Poor and rutted (15mm)





Fixed Plant Issues and RLT Mix Performance of  
Production Good and Matches Original Lab Design  
And no rutting (4mm immediate then stopped)

