Goal: Prevent premature fuel system component failure.

1) Determine a method for a tribological experiment on ultra-hard coatings in extreme low-viscosity fuels:
   a. Mimics fuel pump conditions
   b. Determines functional coating materials
   c. Is repeatable

2) Analyze and evaluate possible wear resistant coatings as candidates for fuel delivery systems
   a. Work for different fuels: F-24, ethanol, dodecane
   b. Work in different operating temperature and load conditions