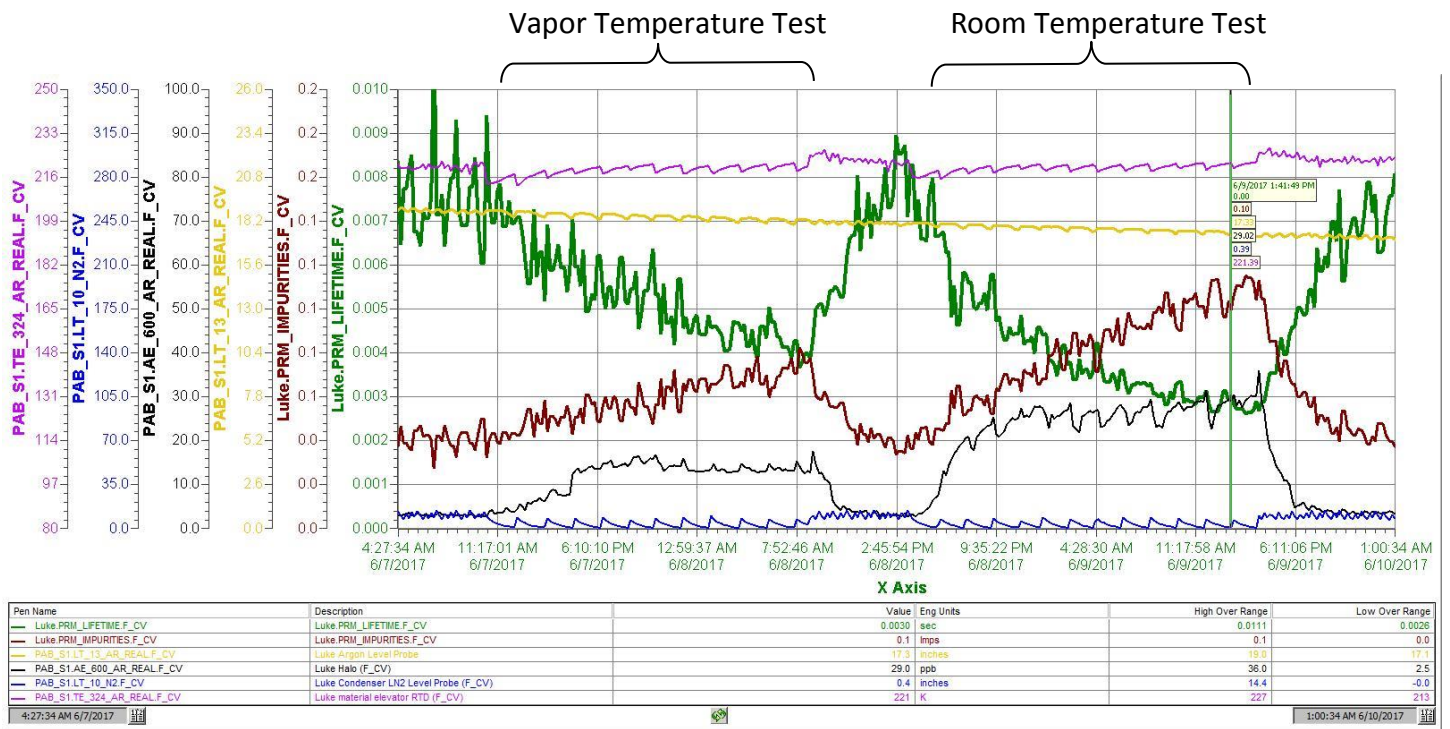


Steel Ball Bearing Test

6/6/2017 – 6/9/2017

PAB Materials Test System	
Date of Receipt	6/14/17 , logbook entry # 6033
Sample Name/Description	PSL 009 Steel ball Bearing for TPC trolley Tungsten disulfide coated
Sample	
Composition:	steel, WS2 coated
Picture Location:	data base
Weight:	97.2 g
Dimensions/Area:	~ 45 mm outer dia, 20 mm inner dia, 14 mm depth
Source:	Jonathan Heise
Preparation:	ultrasonically clean in a series of 3 solvent 10 min baths: AZE, acetone, ethanol
Submerging in LN2	
Time in the airlock(hrs)	
Vacuum:	20 min
Purge	24 hours with gas Argon from Luke
VaporTest	
Start Time/Date, End Time/Date :	6/7/2017 10:25 am, 6/8/2017 8:50 am
PrM run # :	x
Condenser state:	on
Filter state/settings:	off
H2O reading:	13 ppb
Temperature:	215-220K
Liquid Level	18.6 -18.2 inches
Lifetime:	4-4.5 ms
Room Temperature Test	
Start Time/Date, End Time/Date :	6/8/2017 3:45 pm, 6/9/2017 3:30 pm
PrM run # :	x
Condenser state:	on
Filter state/settings:	off
H2O reading:	24-30
Temperature:	warm
Liquid Level	17.9-17.3 inches
Lifetime:	2.6-3 ms





Lifetime – green pen

Impurities – brown pen

Liquid level – yellow pen

Water – black pen

Temperature – magenta pen