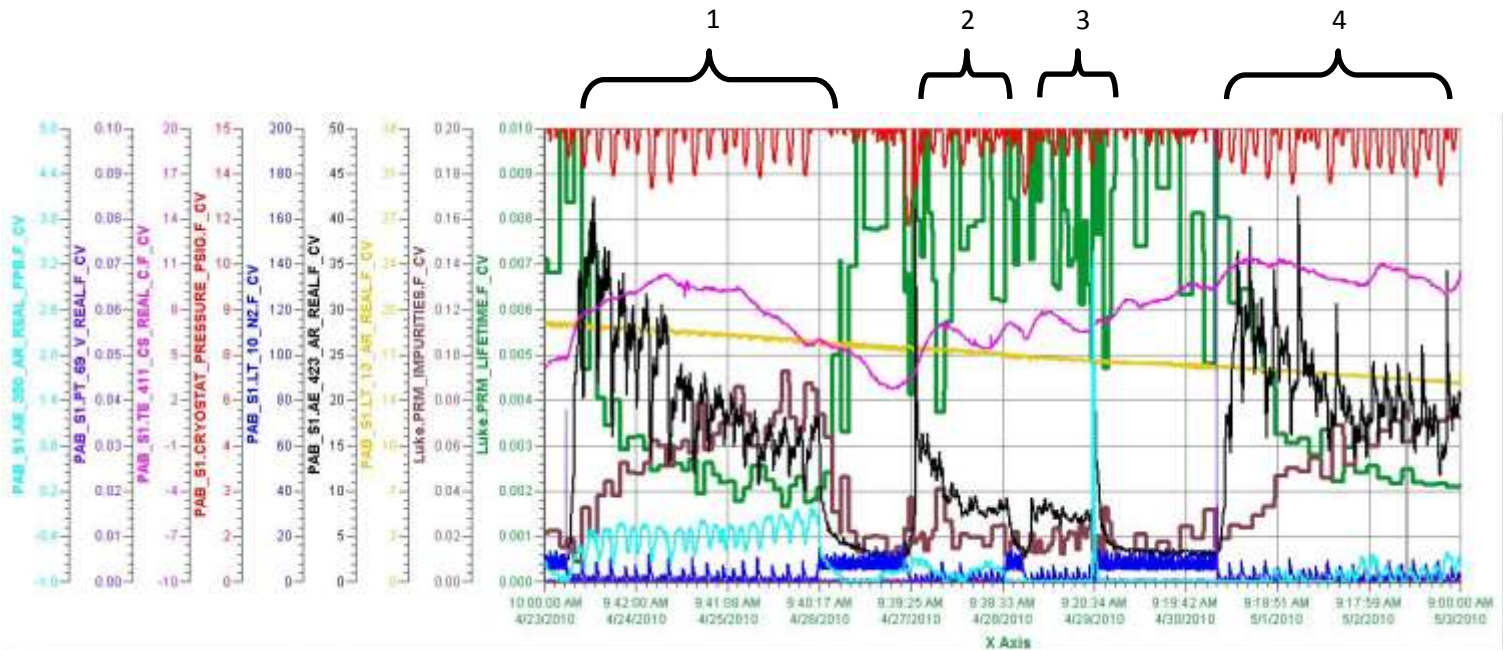


PAB Materials Test System

Date of Receipt	5/14/2010, logbook entry # 1254
Sample Name/Description	Rogers Boards cut into pieces to expose material RO 4350, RO 4003
Sample	
Composition:	glass reinforced hydrocarbon/ceramic laminate
Picture Location:	Data Base
Weight:	53 g
Dimensions/Area:	10.125 inch ² exposed
Source:	Walter Jaskierny, Teppei
Preparation:	cleaned with alcohol
Submerging in LAr or LH2	no
Time in the airlock(hrs)	26 h
Purge:	4/22/10 26 h purged from the bottle
Vacuum:	
Room Temperature	
Start Time/Date, End Time/Date :	4/23/10 3:50 pm, 4/26/10 9:20 am
PrM run # :	8293
Condenser state:	on
Filter state:	off
O2 reading:	increased by 0.7 ppb
H2O reading:	from 2.3 to 40 ppb in 7 h, to 15 ppb in 2 days
Lifetime:	from 10 ms to 2 ms in 2 days
Liquid Test	
Start Time/Date, End Time/Date :	4/27/10 8 am, 4/28/10 10:15 am
PrM run # :	8341
Condenser state:	on
Filter state:	off
O2 reading:	increased by 0.2 ppb
H2O reading:	from 3 ppb to 40 ppb, stabilized at 8 ppb
Temperature:	95 K
Lifetime:	from >10 ms to 6-9 ms
Liquid level :	17.6"
Vapor Test	
Start Time/Date, End Time/Date :	4/28/10 2:35 pm, 4/29/10 9:30 am
PrM run # :	8364
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	3.5 ppb to 7 ppb
Temperature:	224 K
Lifetime:	7-10 ms to 6-10 ms
Zero Test	4/30/2010
Results/comments	

Rogers Board Material Test

1. Room Temperature Test
2. Liquid test
3. Vapor Test
4. Zero Test



Pen Name	Description	Value	Eng Units	High Over Range	Low Over Range
— Luke.PRM_LIFETIME.F_CV	Luke.PRM_LIFETIME.F_CV	0.00245	sec	0.02004	0.00163
— Luke.PRM_IMPURITIES.F_CV	Luke.PRM_IMPURITIES.F_CV	0.0612	Imps	0.0919	0.0072
— PAB_S1.LT_10_AR_REAL.F_CV	Luke Arsen Level Probe	15.2	inches	15.8	14.0
— PAB_S1.AE_423_AR_REAL.F_CV	HALO H2O meter (F_CV)	18.7	ppb	42.6	2.2
— PAB_S1.LT_10_N2.F_CV	Luke Condenser LN2 Level Probe (F_CV)	0.8	inches	16.8	-0.0
— PAB_S1.CRYOSTAT_PRESSURE.PDI	Luke Vapor Pressure	14.5	psig	18.4	11.0
— PAB_S1.TE_411_CS_REAL.CF_CV	TC on Luke top flange (F_CV)	10.4	C	11.3	2.7
— PAB_S1.PT_69_V_REAL.F_CV	Seal Monitor Vacuum	0.0001	Torr	0.3247	-0.0011
— PAB_S1.AE_350_AR_REAL.PPB.F_CV	ppb Methane Mtr reading (F_CV)	-1.7	ppb	3.4	1.5

4/23/2010 10:00:00 AM

5/3/2010 9:00:00 AM

