

PAB Materials Test System

Date of Receipt	06/30/11 , logbook entry # 1816
Sample Name/Description	Barden Precision Bearings
Sample	
Composition:	440 SS balls and races, the cage is Teflon with 3% Moly disulfide imbedded in Teflon for lube.
Picture Location:	data base
Weight:	19.84 g
Dimensions/Area:	look at the pictures
Source:	Terry Tope
Preparation:	not cleaned
Submerging in LAr or LH2	no
Time in the airlock(hrs)	
Purge:	24 h purged from the bottle and 1 h from Luke
Vacuum:	
Room Temperature	
Start Time/Date, End Time/Date :	6/17/11 2:35 pm, 6/20/11 1:40 pm
PrM run # :	13051
Condenser state:	on
Filter state:	off
O2 reading:	x
H2O reading:	increased to 155 ppb in 2 h, then stabilized at 18-24 ppb
Lifetime:	2-3 ms
Liquid Test	
Start Time/Date, End Time/Date :	6/22/11 8:30 am, 6/23/11 10:40 am
PrM run # :	13114
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	increased from 6 ppb to 13-14 ppb
Temperature:	95.3 K
Lifetime:	6-10 ms
Vapor Test	
Start Time/Date, End Time/Date :	6/24/11 9:53 am, 6/27/11
PrM run # :	13150
Condenser state:	on
Filter state/settings:	off
O2 reading:	x
H2O reading:	10-15 ppb
Temperature:	210-215 K
Lifetime:	4-10 ms (fluctuating)
Results/comments	