

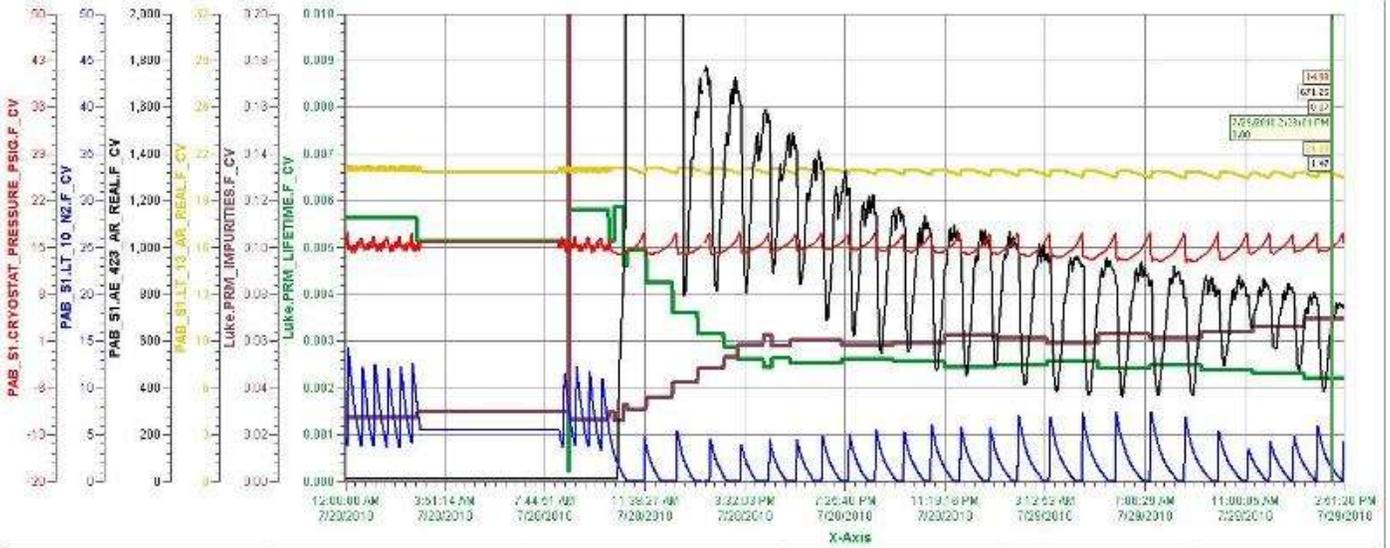
| <b><i>PAB Materials Test System</i></b> |   |
|---|---|
| <b>Date of Receipt</b>                  | 7/30/2010, logbook entry 1334   |
| <b>Sample Name/Description</b>          | PVC cable, 34 conductors<br>3M 3365/34, flat ribbon 136 exposed ends  |
| <b>Sample</b>                           |   |
| <b>Composition:</b>                     | Polyvinyl chloride  |
| <b>Picture Location:</b>                | Data Base   |
| <b>Weight:</b>                          | one 387 g, one 385 g, total 772 g   |
| <b>Dimensions/Area:</b>                 | 2 flat cables 6.1 m long each, width 43 mm  |
| <b>Source:</b>                          | Walter Jaskierny  |
| <b>Preparation:</b>                     | Cleaned with alcohol  |
| <b>Submerging in LAr or LH2</b>         | x   |
| <b>Zero Test</b>                        | x   |
| <b>Time in the airlock(hrs)</b>         |   |
| <b>Purge:</b>                           | overnight from the bottle and 1 h from Luke   |
| <b>Vacuum:</b>                          |   |
| <b>Room Temperature</b>                 |   |
| <b>Start Time/Date, End Time/Date :</b> | 7/28/2010 10:30 AM to 7/30/2010 9 AM  |
| <b>PrM run # :</b>                      | 9448  |
| <b>Condenser state:</b>                 | on  |
| <b>Filter state:</b>                    | off   |
| <b>O2 reading:</b>                      |   |
| <b>H2O reading:</b>                     | first increased to 2000 ppb, after 28 h in 500-800 range  |
| <b>Temperature:</b>                     | room  |
| <b>Lifetime:</b>                        | 2 - 2.5 ms  |
| <b>Results &amp; Comments</b>           | on 7/15/10 after week of purging from the bottle when the gate v.<br>was open water level increased to 300-400 ppb , Lt was 1.5 ms. |

## PVC Cable

3M #3365/34

2 x 20 FT / 136 exposed ends





| Pen Name                       | Description                         | Value   | Eng Units | High Over Range | Low Over Range |
|--------------------------------|-------------------------------------|---------|-----------|-----------------|----------------|
| — Luke.PRM.LIFETIME.F.CY       | Luke.PRM.LIFETIME.F.CY              | 0.00218 | sec       | 0.00583         | 0.00018        |
| — Luke.PRM.IMPURITIES.F.CY     | Luke.PRM.IMPURITIES.F.CY            | 0.0889  | hrps      | 0.9220          | 0.0257         |
| — PAB_S1.LT_13.AR.REAL.F.CY    | Luke Aspen Level T1399              | 21.1    | inches    | 21.6            | 20.7           |
| — PAB_S1.AE_423.AR.REAL.F.CY   | HALO H2O meter F.CY                 | 671.3   | gpb       | 5,000.0         | 3.4            |
| — PAB_S1.LT_10.N2.F.CY         | Luka Condenser LN2 Level Probe F.CY | 1.5     | inches    | 14.3            | -3.0           |
| — PAB_S1.CRYOSTAT.PRESSURE.PSI | Luka Vapor Pressure                 | 18.0    | psig      | 17.3            | 17.8           |

7/29/2010 12:00:00 AM    Mark of Security    2/9/2010 2:01:20 PM