Tom Compas

From: Mike A Gonzalez
Sent: Friday, February 12, 2010 12:10 PM
To: Steve Broy
Cc: Tom Compas; Zhenhe Sun
Subject: RE: R22D-AP Testing
Attachments: R22D-AP TComp 2-12-10.xls; B77322-0 R22D-AP Spec.pdf

Steve/Tom,

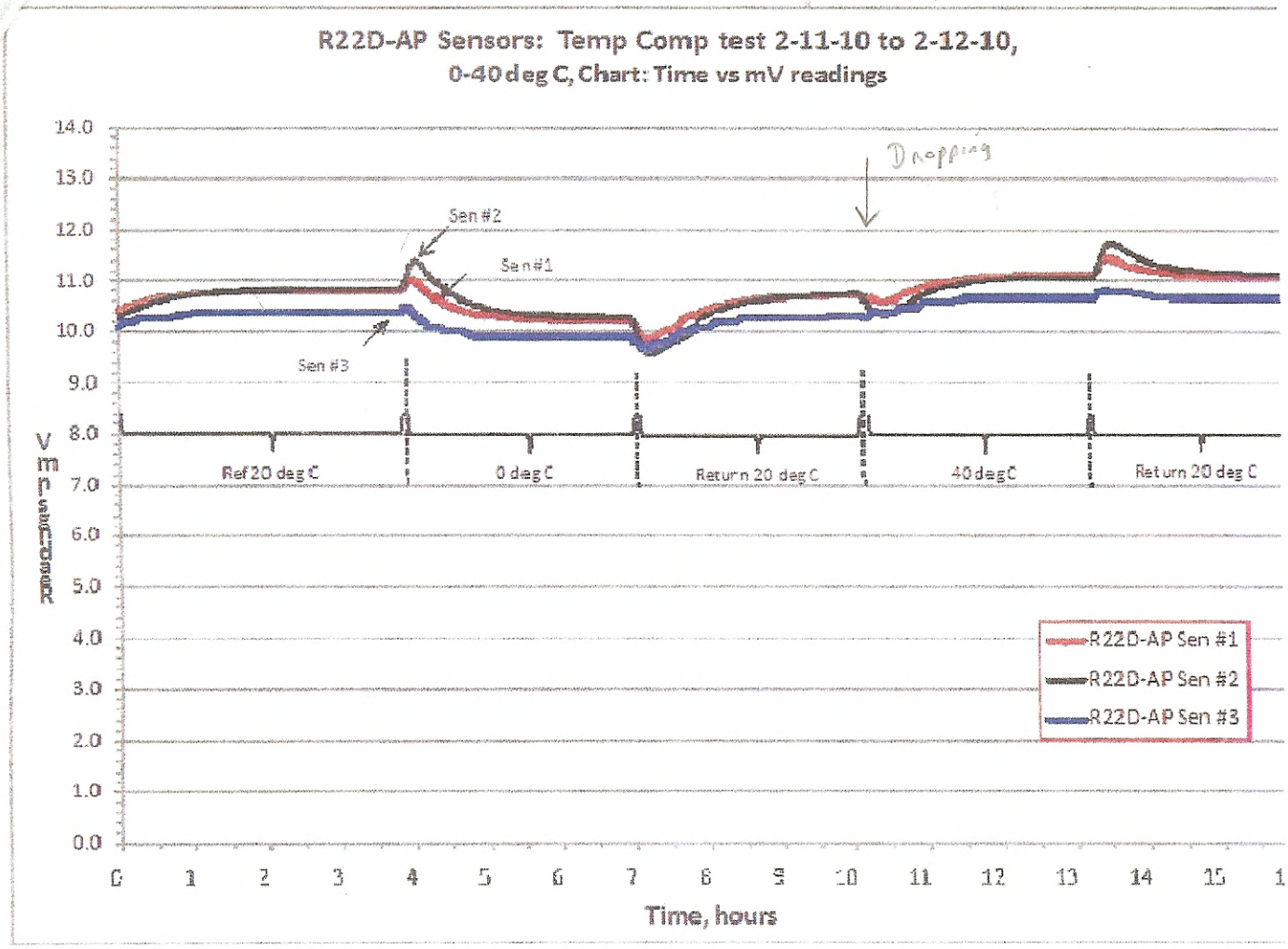
Testing on three (3) R22D-AP sensors has been completed.

Here is a summary of Results (actual data & chart can be seen on attachment 1:
Note duration time at each temp setting = 3 hours, sensor readings in mV.

Temp, C	Sen #1 Reading	O2 % Error	Sen #2 Reading	O2 % Error	Sen #3 Reading	O2 % Error
Ref 20	10.783	Ref	10.813	Ref	10.370	Ref
0	10.197	**-1.1**	10.281	**-1.0**	9.873	**-1.0**
40	11.089	**0.6**	11.051	**0.5**	10.658	**0.6**

Conclusion:

- All three sensors Sen #1, 2 & 3 gave comp error going from 20 deg C (ref) to cold cycle 0 deg C: **-1.0 to -1.1% O2.**
- All three sensors Sen #1, 2 & 3 gave comp error going from 20 deg C (ref) to hot cycle 40 deg C: **+0.5 to +0.6% O2.**
- As can be seen, test results on 3 R22D-AP look good (see Spec Control dwg attachment 2).



Michael

From: Steve Broy
Sent: Thursday, February 11, 2010 1:32 PM
To: Mike A Gonzalez
Cc: Tom Compas; Zhenhe Sun
Subject: Re: R22D-AP

A diver complained to AP that our cells seems different in temp comp recently
- although the differences in construction are very minor and hard to imagine this would be contributory, we want to do an A B comparison

From: Mike A Gonzalez
To: Steve Broy
Cc: Tom Compas; Zhenhe Sun
Sent: Thu Feb 11 13:21:27 2010
Subject: RE: R22D-AP
Steve,