

From: Jahn, Ray [/O=CCC/OU=CCC-CLY-BACK END/CN=RECIPIENTS/CN=JAHNR] 1/13/2006 2:32 PM
To: Erwin, Carter; Gaudé, Edward C.
Cc:
Bcc:
Subject: RE: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274
Attachments: image001.gif

The results were not published to the customer so as not to let them know our safety margin. The results showed that the batteries should last 77 actuations or two years of normal operation. What Cameron publishes to the customers is 33 actuations or 1 year of normal operation. The test run on the previous batteries is the same test run on the new batteries.

If you guys want to tell them that, that is solely up to you. The safety margin is to protect Cameron from any liability.

They need to tell us what they are doing, what current is being drawn from the batteries, how the test is being conducted, etc. They need to give us the details and let us determine if what they are doing is right. Actual test were run at Bingle and the batteries lasted more than 6 or 7 cycles. I witnessed this myself on the Horizon SEM.

Ray Jahn
Ph.# 713 939 2768
Fax.# 713 939 2169

From: Erwin, Carter
Sent: Friday, January 13, 2006 1:59 PM
To: Gaudé, Edward C.
Cc: Jahn, Ray
Subject: RE: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Ray,

What were the results. I'm not going to give the data to the customer but you state the results were similar or better. Similar or better to what?

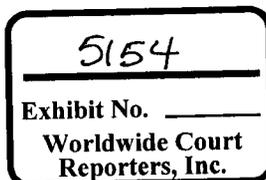
Carter Erwin
Service Manager
Office: 713-939-2014
Cell: 281-799-7564

From: Gaudé, Edward C.
Sent: Friday, January 13, 2006 11:26 AM
To: Erwin, Carter
Subject: FW: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Carter,
See Ray's reply. Don't know if this will suffice or not.

Ed Gaudé
Engineering Manager
Drilling Controls
Cameron

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CAM_CIV_0083914

Office: 713-939-2556
gaudecc@camerondiv.com

From: Jahn, Ray
Sent: Friday, January 13, 2006 11:19 AM
To: Gaude, Edward C.
Subject: RE: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Gaude -

In the past we have not supplied test data to customers. All I can tell them is that Saft performed the same test we ran in our lab and the results were similar or better.

Ray Jahn
Ph.# 713 939 2768
Fax.# 713 939 2169

From: Gaude, Edward C.
Sent: Friday, January 13, 2006 11:11 AM
To: Erwin, Carter
Cc: Jahn, Ray C (jahn@camerondiv.com)
Subject: RE: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Ray,
I believe you have responded to a similar question before concerning the anticipated life expectancy and the way we tested the new batteries. Could you please provide this information to Carter.

Ed Gaude
Engineering Manager
Drilling Controls
Cameron
Office: 713-939-2556
gaudecc@camerondiv.com

From: Erwin, Carter
Sent: Thursday, January 12, 2006 2:53 PM
To: Gaude, Edward C.
Subject: FW: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Ed,

Can you provide the results for the testing.

Carter Erwin
Service Manager
Office: 713-939-2014
Cell: 281-799-7564

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CAM_CIV_0083915

From: Jody Ballard [<mailto:JBallard@prideinternational.com>]
Sent: Thursday, January 12, 2006 2:45 PM
To: Erwin, Carter
Cc: Danny Fugate; Tony Hogg; Robert Taylor; Daricek, Bennie
Subject: PNA 332: New Deadman Battery Life Expectancy JB-CER-00274

Carter,

Danny and just completed the installation of the new Deadman batteries into the Pride North Americas pods. One of the pods he had to function the Deadman system 6 or 7 times while troubleshooting. The two batteries (p/n 2232362-01) that power the SEM at the start of the Deadman sequence were depleted during the course of functioning 6 or 7 times.

According to Danny, Cameron had performed test of the old style batteries to determine their life expectancy, has testing been performed on the new type battery. If so please forward us a copy of the test results.

Jody Ballard

Subsea Superintendent

Pride Subsea Technical Department

Office: 713-917-2185

Cell: 281-382-8622

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CAM_CIV_0083916

