

**From:** DeRouen, Kim [/O=CCC/OU=CCC-CLY-BACK  
END/CN=RECIPIENTS/CN=DEROUENKL] 5/11/2010 9:00 AM  
**To:** Jahn, Ray  
**Cc:** Regan, John C  
**Bcc:**  
**Subject:** FW: Shelf life of deadman batteries  
  
**Attachments:**

FYI. Help please.

Kim L. DeRouen  
Purchasing Manager  
Drilling Systems

Cameron  
6650 Bingle Road  
Houston, TX 77092  
Tel 713-423-8986  
Cel 281-728-7300  
kim.derouen@c-a-m.com

-----Original Message-----

**From:** Gaude, Edward C.  
**Sent:** Tuesday, May 11, 2010 8:29 AM  
**To:** DeRouen, Kim  
**Subject:** RE: Shelf life of deadman batteries

Kim,

These batteries per EB 891D have a five year customer shelf life and one year in service or 33 system actuations. Jack Moore asked how we manage this shelf life issue internally to make sure we don't send out batteries that are already exceeded their life. Ray Jahn is the technical expert on this topic so you might consult with him. I'm thinking that the manufacturer should be putting some form of date when the battery was manufactured.

Ed Gaude  
Engineering Manager  
Drilling Controls  
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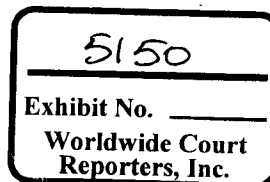
-----Original Message-----

**From:** Gaude, Edward C.  
**Sent:** Tuesday, May 11, 2010 8:10 AM  
**To:** DeRouen, Kim  
**Subject:** RE: Shelf life of deadman batteries

Kim,

It is the old style batteries like what was installed on the Horizon rig. The individual battery pack is p/n 2232368-01. It may show up under an

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assembly p/n 2186374-04

Ed Gaude  
Engineering Manager  
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-----Original Message-----

From: DeRouen, Kim  
Sent: Tuesday, May 11, 2010 7:59 AM  
To: Gaude, Edward C.  
Subject: FW: Shelf life of deadman batteries

What type of batteries? We have a few part numbers that we do have stock on that are 9.9 VDC, 12 V 20hr. and lithium rechargeable.

Kim L. DeRouen  
Purchasing Manager  
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-----Original Message-----

From: Read, Herbert J.  
Sent: Tuesday, May 11, 2010 7:37 AM  
To: DeRouen, Kim; Moore, James  
Cc: Gaude, Edward C.; Hardy, Michael  
Subject: RE: Shelf life of deadman batteries

Thanks Kim,

Please let us know what Mike finds.

Jay

-----Original Message-----

From: DeRouen, Kim  
Sent: Tuesday, May 11, 2010 7:26 AM  
To: Read, Herbert J.; Moore, James  
Cc: Gaude, Edward C.; Hardy, Michael  
Subject: RE: Shelf life of deadman batteries

Mike Hardy is looking, but so far we don't have any procedure or policy about shelf life for batteries. We also don't believe we stock any and we buy them per project or sales order. Mike is also looking with quality to see if they find any API procedures about storage or shipment.

Kim L. DeRouen  
Purchasing Manager  
Drilling Systems

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-----Original Message-----

From: Read, Herbert J.  
Sent: Monday, May 10, 2010 6:17 PM  
To: DeRouen, Kim; Moore, James  
Cc: Gaude, Edward C.  
Subject: FW: Shelf life of deadman batteries

Kim, and Jim,

Please get with me in the morning, regarding Ed's request.

Thanks  
Jay

-----Original Message-----

From: Gaude, Edward C.  
Sent: Monday, May 10, 2010 3:49 PM  
To: Read, Herbert J.; Moore, James  
Subject: Shelf life of deadman batteries

Jay,

Jack Moore has asked what procedures we have that prevent us from having out of date batteries in stock. If you could help to answer this and send a response to me and David.

Thanks

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