Brown, Mark

From: Brown, Mark
Sent: Thursday, April 10, 2008 11:43 AM
To: Bob Nourse; John Adams
Subject: RE: Crane testing

Bob-
We have an integrated hydraulic system with 50 hp & 75 hp capabilities both have Rexroth pumps which are rated at 4000 psi.
Dockside they run the 50 hp due to electrical limitations, offshore they run the larger 75 hp motor.

Our operations personnel have been running the system at 3500 psi because the same system also runs the back deck A-Frame and a HIAB crane, I am currently trying to determine if there are components in the system that can't tolerate the 4000 psi pressure.

It would be helpful to see the load charts for the 4000 psi pressure.
Thank you for your help-
-Mark

Mark Brown
Support Engineering Group Leader
MBARI: www.mbari.org
ph: 831 775 1939
fx: 831 775 1615

From: Bob Nourse [mailto:Bob.Nourse@alliedsystems.com]
Sent: Thursday, April 10, 2008 11:19 AM
To: Brown, Mark; John Adams
Subject: RE: Crane testing

Mark,

If you do not have 4500 psi, what do you have? If you give me the actual flows and pressures I will rerun the load charts to see what we can do. The winch is OK at 3000 psi but the cylinders were designed for the available pressure.

From: Brown, Mark [mailto:mob@mbari.org]
Sent: Thursday, April 10, 2008 9:20 AM
To: John Adams
Cc: Bob Nourse
Subject: RE: Crane testing

OK John
Thanks for the update.

Can you verify for me that the crane was designed for an intended operating pressure of 4500 psi as stated on the Test plan?

As stated in a previous email we are trying to come up with some solutions for our system that is rated for a lower pressure. In a conversation with Bob Nourse he stated that the crane could be operated at a minimum of 4000 psi, I assume that at this lower pressure the lift capacity of 22,000 lbs @ 16 feet is no longer applicable (Allied

drawing TK22-25). Can you please verify that this is accurate?
Thanks for your help.
-Mark

Mark Brown
Support Engineering Group Leader
MBARI: www.mbari.org
ph: 831 775 1939
fx: 831 775 1615

From: John Adams [mailto:John.Adams@alliedsystems.com]
Sent: Thursday, April 10, 2008 9:01 AM
To: Brown, Mark
Cc: Hobson, Brett
Subject: Crane testing

Mark,

Please postpone travel plans to Portland for crane testing. I am waiting to hear from vendor on the delivery of the winch clutch piston seals. I will inform you just as soon as I can as to when we will be ready for testing. I apologize for any inconvenience this may cause.

Regards,

John Adams

Marketing Manager
Allied Marine Crane
Allied Systems Company
503-625-2560

john.adams@alliedsystems.com

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