

JDN NEWS YOU CAN USE—MAY 2010

J . D . N e u h a u s , L . P .



J. D. NEUHAUS powered by air!

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JDN MONTHLY MOTTO

“Flexible people never get bent out of shape”
Mike Ditka

HAPPY BIRTHDAY!

Canie Hollins 6/3
Brenda Boudreau 6/16
Tony Ellis 6/28

TIP OF THE MONTH

Next open Sales/Service training class is July 21-22. Call 800-331-2889 for registration or other dates.

JDN HYDRAULIC CRANE SYSTEMS

As an alternative to compressed air we offer hydraulic driven crane systems adapted to your individual demands. Here are some examples:



Radio Control - Transmitter w/ Comprehensive Applications



Control Box— Box w/receiver as electro-hydraulic interface



Tubing—complex installation with stainless steel tubes



Rack & Pinion Drive - For safe & form-fit power transmission e.g.offshore & vessels

Crane types in detail:

- ◆ Single or double girder overhead traveling cranes
- ◆ Underslung cranes with special low headroom trolley designs
- ◆ Slewing jib cranes
- ◆ Simultaneous control of several hydraulic hoists at a crane system
- ◆ Signal horn, key switch and much more.
- ◆ Cranes with synchronized hoist arrangements
- ◆ Cranes with parallel hoist arrangements

JDN WELCOMES NEW REGIONAL SALES MANAGER!



J.D. Neuhaus LP welcomes Ralph Rodriguez as a Regional Sales Manager covering Central and South America and the Caribbean.

From Ralph:

“I look forward to developing J.D. Neuhaus’s distributor network throughout Latin American. The oil rich and industrial economies of Brazil, Mexico and Venezuela should provide excellent opportunities for growth as well as the mining industries in Chile, Bolivia & Peru. Look for J.D. Neuhaus at upcoming trade shows and expos throughout the region in 2010 and 2011.”

Ralph can be reached at 800-331-2899 x102 or email at r.rodriguez@jdneuhaus.com.

SETTING UP YOUR JD NEUHAUS AIR HOIST

Correct installation has an important impact on the performance and continued reliability of your air hoist. The following simple guidelines will guarantee your hoist performs as expected.

- 1) **Clean dry air supply**—air motors operate much like a turbine where dirt, debris, and moisture in the supply air will create excess friction, degrade the internal motor grease, and increase the overall wear of motor components.

A simple air filter/water separator will prevent most of this dirt, debris, and moisture from entering the air motor. JD Neuhaus offers an integrated FRL assembly that includes an air filter/separator, air pressure regulator and oiler.



*The FRL should be installed as close as possible to the air hoist for best results.

FRL

- 2) **Does the air hoist require an oiler—air line lubrication?**

An oiler—air line lubrication will increase the operating time of the hoist before recommended routine maintenance, however...*JD Neuhaus' patented self-lubricating air motor design is unique in that an oiler is not a requirement!*

*Full load oil free operating times:

JDN Mini Series: 100 hours

JDN Profi Series: 250 hours

- 3) **Correct air flow**—while compressor selection is too detailed a topic to discuss here, air line size and connections are a common cause of air flow restrictions and poor performance.

J.D. Neuhaus air motors are equipped with standard BSPP male fittings which are sized to the recommended hose diameter. For example, the 1 ton capacity Mini 1000 is equipped with a 1/2 inch fitting and 1/2 inch ID air hose is recommended.

*When dealing with a poor air supply or long hose run, stepping up the hose diameter by one size is recommended (1/2 inch increased to 3/4 inch, etc.)

The type of air hose fitting can also cause unnecessary flow restrictions. The traditional quick-disconnect shown below is often incorrectly selected by air hoist connections.



Tradition Quick Disconnect—*Incorrect!*



Chicago Style Disconnect—*Correct!*

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SETTING UP YOUR JD NEUHAUS AIR HOIST (CONTINUED)

The inner diameter of the traditional male quick disconnect air passage is often 50% smaller than a normal BSPP fitting and hose barb! This causes a significant air flow restriction. The Chicago style disconnect shown above right is an acceptable alternative that maintains correct air passage diameter and a quick release.

- 4) **Setting the correct pressure**—the pressure reading on the regulator gauge will change, often significantly, when the hoist is operated at load compared to the non-operating pressure reading.

JD Neuhaus equipment is typically designed for 85 psi as designated on the hoist serial plate which is the loaded operating pressure. On average the pressure gauge should read just over 90 psi when not operating. This will vary per individual systems.



Correct 92 psi Non-Operating Pressure Setting

UPCOMING TRADE SHOWS

IADC Lifting & Mechanical Handling
Conference & Exhibition

70th
Anniversary

*Training, Technology and Sound Operations –
Achieving Crane Safety at the End of the Day*

13-14 July 2010
Omni Houston Hotel Westside • Houston, Texas

The image shows a red crane hook suspended by cables against a cloudy sky. A circular logo with 'IADC' is visible on the hook.

IADC Lifting & Mechanical Handling
Conference & Exhibition
Omni Houston Hotel Westside
Houston, TX
July 13-14, 2010

For more information go to:
http://www.iadc.org/conferences/Lifting_Handling_2010/

Wilmington Regional Safety & Health School
Hilton Wilmington Riverside
Wilmington, North Carolina
July 29-30, 2010

For more information go to:
<http://www.wilmingtonsafetyschool.com/>



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