

UPDATE

WINTER 2006



PORTAL CRANE SUPPORT TEAM

Parts & Service

Joey Liverett -
Portal Parts Specialist
24-hour line:
800-633-1136
Please have the serial number/location of crane/part number/contact name, phone, fax, and address.

Product Support Manager

Daryl Fillmore
Birmingham, AL
(205) 943-5734
(205) 941-3324 Fax
24 - hour line:
(877) 943-5734

Nu-Life Rebuilt Parts/ Motor Rewinds

Joey Liverett
Rebuild Coordinator
(877) or (205) 943-5734

Product Support Regional Manager

Réal Soucy
Atlanta, GA
678-665-5225 cell
770-236-9351 office/fax

MORE PORTAL INFORMATION

www.portalcranes.com

CRANE COLLISIONS ARE EXPENSIVE!

SYSTEM FEATURES

- GPS Module controls dual PLC
- PLC communicates for redundancy
- PLC knows position and speed
- PLC continually updates crane location
- High rate of change (specification dependent)
- Positional error is less than 10cm
- Error is already going down the system's bandwidth
- Operator freedom to the operator
- High stability and performance
- Critical-path intelligence for P&H

TECHNICAL DATA SHEET
Single Crane Collision Avoidance GPS

SPECIFICATIONS

- PLC/GPS Module
- Motor Drives/ PLC/PLC
- Protection Distance (dependent on crane location)

BENEFITS

- Risk management
- Full 3 crane operation/extension
- Maintenance saving
- Complete control of crane
- No moving parts
- No mechanical wear

Problem: Both dual crane and single crane installations have experienced crane damage, costly repairs and excessive downtime due to collisions with end stops, and the dual crane installations face the added threat of a crane to crane collision.

The P&H solution: P&H has now applied modern GPS positioning technology to the woodyard, turning your cranes into "smart" machines that know where they are on the runway at all times as well as speed and direction of travel. This allows the crane to automatically protect itself from end stop collisions. Where two or more cranes are on the same runway, we add the ability of the cranes to talk to each other and calculate relative speed and distance, then we provide automatic slowdown anywhere the cranes come close to each other.

The multi-crane protection system has been in operation on P&H cranes for several years, but now P&H has developed a lower cost

system designed for single crane applications. The independent system will interface with any type of control and operates without operator input. If the crane approaches a defined collision zone, the GPS system will over-ride operator commands and slow the crane to a safe speed.

Contact P&H portal crane product support to get a quotation for your crane installation and avoid the costly repairs and downtime that others have had to endure in the past. Don't forget that operator training can also prevent accidents.

P&H Patented Skew Control Works!

P&H has developed, tested and earned a US, Mexican and Canadian Patent for a Gantry Skew Control as applied to VFD drive controlled cranes.

Patent #5,433,150 was issued July 18, 1995 and is in force through 2014. This proven method of keeping your VFD controlled crane tracking smoothly down the runway, without the aid of encoders, is another reason why P&H log cranes are so popular.

FROM THE EDITOR

Dear Portal Crane Customer:

This is the 37th issue of Portal Crane Systems UPDATE which represents another step in the P&H commitment to serve our customers.

We hope this sharing of knowledge and experience will help you in your efforts to manage your yard efficiently.

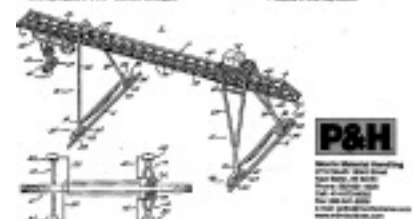
Sincerely,
Gary Otto, Product Manager
Portal Crane Products and Services

United States Patent (19) Patent Number: 5,433,150
King, Jr., et al. (21) Date of Patent: Jul. 18, 1995

SKW CONTROL

ABSTRACT

A crane system provides a means for controlling the rotation of a crane's main structure about the direction of travel. The system includes a control system for monitoring the crane's position and speed and for controlling the crane's rotation. The control system includes a processor and a memory. The processor is programmed to receive data from sensors and to control the crane's rotation based on the data. The memory stores the control program and other data. The system also includes a drive system for rotating the crane's main structure.



**PLAN TO ATTEND
TAPPI/CWF - ANNUAL PORTAL
CRANE USERS MEETING**
Atlanta, GA
January 31, 2006

MOTAG SOUTH

MOTAG South will hold its winter session in Atlanta, GA, February 1-3, 2006. The meeting opens with a social hour on Wednesday evening and generally has attendance over 150, with a focus on woodyard and chipping operations.

MOTAG is short for "Millyard Operators' Technical Advancement Group." You can register at the meeting by going directly to the Renaissance Concourse Hotel by the Atlanta Airport or visit the website at www.motag.org for lots of MOTAG info.

P&H Portal Crane Web Site
www.portalcranes.com

news, Update newsletter index, all back UPDATE issues, product support information, case studies, and a crane modernization shopping list.

CWF-TAPPI Web Site
www.craneusers.org

1st, 2006. For a complete meeting summary or information on the group, visit the group's website: www.craneusers.org.

PM AND STRUCTURAL INSPECTIONS

OSHA regulation # 1910.179 requires a periodic inspection to be accomplished at a minimum of once every 12 months. This includes the structural components of the crane. The standard inspection package performed by P&H includes the verification of the structural components that is required by OSHA.

Also, P&H recommends having your crane detail inspected by a qualified Structural Engineer once every 3 to 5 years for a cranes 5 to 20 years old and every year thereafter, or after any type of shock loading or overloading. P&H can supply this service at very competitive rates and we have our own in-house structural engineers.

WWW.PORTALCRANES.COM

The P&H Portal Crane web page can be viewed by simply going direct to www.portalcranes.com. Find the latest in product

CWF/TAPPI PORTAL CRANE USER GROUP UPDATE

The CWF-TAPPI Log Crane User Group will meet in Atlanta, GA on January 31-February

As you well know, P&H is the market leader in the crane industry and has extensive experience with all brands of woodyard cranes. Our portal crane product support office in Birmingham AL serves all of North America and has a dedicated staff of portal crane experts to assist you with any problems and get you running as quickly as possible when you need service.

P&H would be pleased to perform your next inspection and/or maintenance on your crane, to supply you with any parts components, up-grades, or to give additional training to your crane operators. We can even train your employees at the P&H Institute on electrical, mechanical, safety and maintenance.

P&H PORTAL CRANE TEAM NEWS

The P&H Portal Crane Team welcomes Daryl Fillmore as the new P&H Portal Crane Product Support Manager. Daryl is responsible for the portal parts and service operations in Birmingham and is dedicated to serving our valued customers.



TRAINING UPDATE

The P&H/Morris Institute offers both in-house and on-site training for electrical, mechanical, and most control types as well as operator training for all types of cranes. A simulator is now being developed for portal crane training, and the Institute utilizes the latest training technology to add value to your training investment.

ADVANCED OPERATING TRAINING

P&H Morris continues to provide advanced operating training for all types of log handling cranes. References will confirm the outstanding value of this unique product support service. Contact Joey Liverett to find out how advanced operator training can enhance your woodyard operations.

P&H INSTITUTE CLASSES

Static Stepless Control

March 21-24, 2006

May 16-19, 2006

Static Stepless Lab

March 27-30, 2006

May 22-25, 2006

Smartorque 825

May 31 - June 2, 2006

Call The Institute at
866-821-4006 for more information.
WE DO ON-SITE CLASSES TOO!

**17th ANNUAL
P&H PORTAL
CRANE USERS
MEETING**

**PLAN TO
ATTEND**

SEPTEMBER 2006

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Oak Creek, WI 53154 USA
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