

UPDATE

WOODYARD CRANE SYSTEMS

Vol. II, No. 2

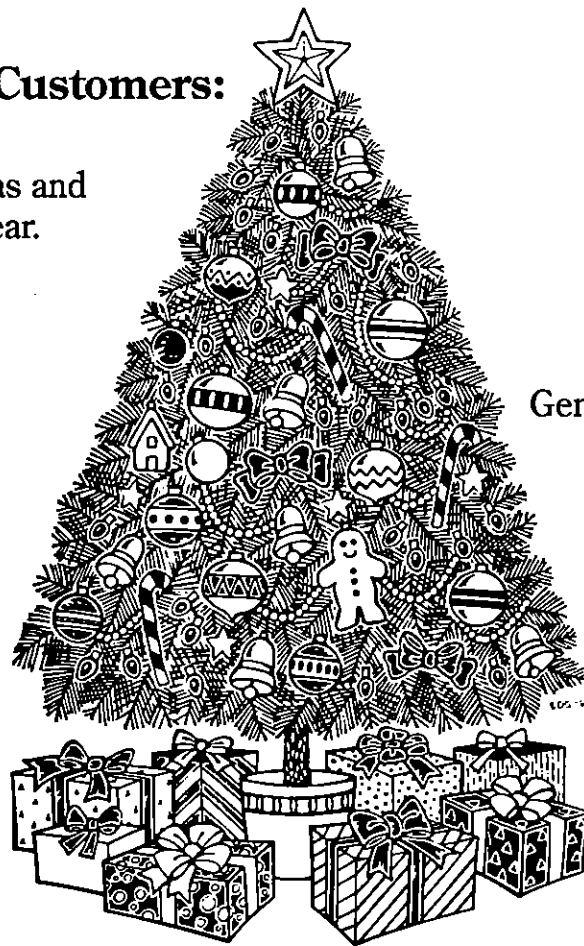
Harnischfeger

Winter 1989/90

P&H

Dear P&H Customers:

Merry Christmas and
a Happy New Year.



Sincerely,
Tim Huckle
General Product Manager

Please pass this issue of **WOODYARD CRANE SYSTEMS UPDATE** on to others on your staff who may benefit from the many helpful woodyard crane tips. If you would like us to add your name to our mailing list for this newsletter, call Chuck Stoneman or Tim Huckle at (604) 294-5551.

1990 Static-Stepless Control Schools

Course 801

The popular P&H Static-Stepless Control Schools will be held again at the P&H Institute in Milwaukee, Wisconsin on the following dates:

January 22
March 19
May 7
June 18
August 6
October 15

Tuition fee for the first student is \$795.00 U.S. and for each additional student \$695.00 U.S. Course duration is five training days, Monday through Friday.

This electrical course is designed for the maintenance electrician and supervisory personnel responsible for the day-to-day electrical maintenance of the crane's electrical system. This outline includes typical crane layout, A.C. power distribution, wound rotor motors, A.C. to D.C. conversion, saturable reactors, magnetic amplifiers, independent modules, magnetorque, electric load brake, electric load brake rectifier circuits, system schematics, and system adjustments.

Course 821

An electrical laboratory course designed for the maintenance electrician and supervisory personnel responsible for the day-to-day electrical maintenance of the crane. It provides optimum use of actual control systems found on the crane. The student gains a great deal of knowledge on proper set-up procedures, testing procedures, use of proper test instruments, and troubleshooting of system defaults. Course outline includes instrumentation, component tests using proper instruments, system tests, system adjustments, and system troubleshooting.

Course duration is five training days. Tuition fee is \$795.00 U.S. for the first student and \$695.00 U.S. for each additional student. Prerequisite: Student must have completed Course 801 before enrolling in Course 821. Scheduled class dates for 1990:

January 29
March 26
May 14
June 25
August 13
October 22

The following courses are all scheduled through Ted Volmar and depend on availability of Portal Crane Servicemen. I urge you to get your plant shut-down dates in to Ted Volmar so that he can schedule instructors.

Course 890—Straight Track Portal Crane Operator Course

Course 891—Straight Track Portal Crane Advanced Operator Course

Course 892—Straight Track Portal Crane Maintenance Course

Course 893—Rotator Portal Crane Operator Course

Course 894—Rotator Portal Crane Maintenance Course

Course 895—Log Boom Portal Crane Operator Course

Course 896—Log Boom Portal Crane Maintenance Course

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Portal Crane User Survey

We are now in the process of compiling the user surveys with the P&H service reports to get an overview of user comments with respect to all aspects of Portal Crane systems. The results of this study will be sent to those users who have completed the survey. If you haven't completed this survey we urge you to send it in so you will be included in the final survey. More survey forms are available from the Burnaby office.

Smartorque Control Training Schools

Course 815

Designed for the maintenance electrician and supervisory personnel responsible for the day-to-day electrical maintenance of the Smartorque system as now supplied on P&H Portal Cranes. The Smartorque control is an adjustable frequency control using squirrel-cage motors. Course outline includes introduction, A.C. to D.C. power conversion, transistors, operational amplifiers, A.C. motors, Smartorque system. The scheduled class dates for 1990 are:

January 15
February 12
March 12
May 21
July 30
September 17

Operator Fatigue Problems

Several P&H Portal Crane owners have reduced operator fatigue and back irritation by splitting each shift with another work station such as the slasher deck, etc. This has also resulted in higher performance and reduced wear and tear. P&H has developed a new operator's seat and console with a chest support strap to help ease operator fatigue. We are interested in users who may have modified their existing seats to ease this problem. We recognize that the seat, position of the master controllers, position of the armrests, and position of the foot switches are all critical to operator comfort. We are also doing additional research on cab visibility. Use of color TV monitors has also been reported to reduce fatigue.

Structural Inspections

Structural inspections will again be available in 1990 for all Portal Crane users. These inspections should be made once every three years. Please contact Ted Volmar for scheduling at (414) 671-7452.

Join us at the CPPA Show in Montreal January 31 through February 2. We will be located in the Beloit Corporation Booth #1200.

MOTAG-North, Wausau, WI December 7-8

This meeting was attended by over 125 people consisting of 60-plus mill personnel and five consultants. A mill profile of Weldwood of Canada in Hinton, Alberta was presented.

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MOTAG SOUTH meets in Atlanta, Georgia on January 17, 18 and 19 at the Holiday Inn, Airport North, Virginia Avenue. Open House/Social Hour begins Wednesday, January 17 at 5:30 p.m., with formal meeting starting at 8:00 a.m. on January 18.

A 15-ton P&H Portal Crane at the J.M. Huber site in Commerce, Georgia will be featured with a tour on Wednesday afternoon and a mill profile on Thursday.

MOTAG stands for "Millyard Operators Technical Advancement Group" and is a function of TAPPI-Raw Fiber Sub-committee. Woodyard operators and maintenance and management personnel are encouraged to attend these valuable meetings. Industry consultants and equipment suppliers are also represented. For more information contact Gary Otto at (414) 671-7648.

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TAPPI/CPPA User Meeting

The first TAPPI/CPPA user meeting was held in Montgomery, Alabama November 6, 7, 8 and 9. The meeting was attended by users from 13 different sites, all of which had one or two Portal Cranes from various manufacturers. Each representative gave an overview of their operations and discussed problems relating to operations, maintenance, log stocking techniques, component selection and uptime. The meeting was very innovative and was a chance to hold frank discussions on the Portal Crane concept. The operating guidelines of the new user group were established.

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Mead Paper Log Booms Start up with Smartorque

Mead Paper (PC-29755-6) recently started up using two P&H Log Boom cranes equipped with P&H's new Smartorque™ control, an adjustable frequency control using low maintenance AC squirrel cage motors.

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New Replacement Pins for Structural & Mechanical Connections

When ordering new structural or equalizer pins for your portal crane, specify the new 360° groove instead of the milled keeper slot. The new 360° groove eliminates the turning forces on the keeper plates and keeper bolts of the old design.

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New Crane & Operation Manuals

New crane and operation manuals can be ordered from the Parts Department. The new C&O books have service and lubrication tips to help users get the maximum availability time for their portal cranes. Since each portal crane is specifically designed to suit the application, requests for quotes should go to Jon Offutt (414-764-8443).

Specific requests for new parts manuals with actual job-specific arrangement and wiring diagrams should also go to Jon.

* * *

P&H Monospiral Cable Reel Update

Recent design changes and product refinements on the P&H monospiral cable reel have resulted in greatly reduced maintenance and greater reliability as compared to the older design reels.

P&H can provide a complete modernization package for the older design cable reels including a new style monospiral reel as well as a new larger service platform. If you have a 460-volt power supply, you may also want to investigate the benefits of adding a transformer to your crane and supplying 4160 or 2300 volts. This results in a smaller cable reel as well as a smaller cable.

Contact Gary at (414) 671-7648 for specific details on a reel application for your crane system.

Grapple Load Chains & Door Kits

P&H now offers load chain kits for existing Mack Grapples of all sizes. These load chains have proven to provide improved load stability for partial and unbalanced loads plus improved safety. Specific references are available to verify the benefits. P&H cranes are now being equipped with these chains as a standard feature.

Hinged side doors are also available for Mack Grapples of all sizes to protect them from log damage.

Contact Gary for a proposal for your grapple.

Service Bulletin

P&H Portal Crane Service Manager Ted Volmar advises that several cases have been reported where P&H log crane users have not properly lubricated the hoist drum coupling assembly. The lubrication point is difficult to see and is easily missed on routine PM. Lack of proper lubrication could lead to premature failure and excessive downtime.

If you have any questions regarding the proper maintenance of the hoist drum coupling, contact Ted Volmar at (414) 671-7452.

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