

# Overload Limit & Inventory Management



Bulletin no. 13401/1 of 2  
New: Feb. 21, 2000  
Rev. Dec. 21, 2005



System Components



Grapple Pin with Load Cell

## FEATURES

- Basic overload protection using the same load pin and simplified electronics
- Alarmed shutdown of hoist
- Two-wire load pin at grapple replaces existing pin directly
- Uses 2 spares in grapple cable plus 2 more for optional calibration circuit if available
- Weight readout in cab
- Optional features:
  - Tie to mill PC via radio modem
  - PLC data management
  - Operator input pad
  - Accumulators
  - Strip Printer

## BENEFITS

- Help protect crane from overloads and abuse
- Log tonnage inputs and outputs to all areas of the yard
- Accurate shift activity reports
- Know what inventory is on hand



Product Selection

## SPECIFICATIONS

- Accuracy typically  $\pm 1$  to 2%
- Reported accuracy 80lbs. At 89,500lbs. loading/repeatable

TECHNICAL DATA SHEET  
Overload Limit & Log Inventory Management System  
Portal Crane



For further details contact

Morris Material Handling  
Phone 800-933-2313  
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# Log Inventory Management System



Bulletin no. 13401/2 of 2  
 New: Feb. 21, 2000  
 Rev. August 2, 2000



Cab multi-screen display unit with touch screen input by the operator

## Sample Printouts

INTERNATIONAL PAPER	
TIME: 18:03	DATE: 04/07/02
SHIFT: 1ST	
OPERATOR: BOB JONES	
ALL BELOW UNITS ARE IN TONS	
-----	
16" HARDWOOD	
STORAGE BEFORE SHIFT:	1173.7
TRUCK TO STORAGE:	8.8
TRUCK TO DECK:	28.5
STORAGE TO DECK:	45.3
TOTAL TO DECK:	73.8
STORAGE AFTER SHIFT:	1137.2
-----	
16" PINEWOOD	
STORAGE BEFORE SHIFT:	4587.9
TRUCK TO STORAGE:	0.0
TRUCK TO DECK:	0.0
STORAGE TO DECK:	0.0
TOTAL TO DECK:	0.0
STORAGE AFTER SHIFT:	4587.9
-----	
TREE LENGTH HARDWOOD	
STORAGE BEFORE SHIFT:	5568.1
TRUCK TO STORAGE:	23.3
TRUCK TO DECK:	0.0
STORAGE TO DECK:	0.0
TOTAL TO DECK:	0.0
STORAGE AFTER SHIFT:	5591.4
-----	
TREE LENGTH PINEWOOD	
STORAGE BEFORE SHIFT:	7543.2
TRUCK TO STORAGE:	12.4
TRUCK TO DECK:	35.7
STORAGE TO DECK:	6.2
TOTAL TO DECK:	41.9
STORAGE AFTER SHIFT:	7549.4
-----	

INTERNATIONAL PAPER	
TIME: 23:55	DATE: 04/07/02
SHIFT: 2ND	
OPERATOR: JOHN COTTER	
NUMBER OF LOADS HANDLED: 38	
-----	
TREE LENGTH HARDWOOD (TONS)	
STORAGE BEFORE SHIFT:	6432.5
TRUCK TO STORAGE:	25.0
TRUCK TO DECK:	14.7
STORAGE TO DECK:	23.3
RAIL TO STORAGE:	83.3
RAIL TO DECK:	110.6
TOTAL TO DECK:	148.6
STORAGE AFTER SHIFT:	6517.5
-----	
RAIL CAR ID:	KXY3245
DELIVERY TONS:	45.3
-----	
RAIL CAR ID:	339-KRJ
DELIVERY TONS:	52.9
-----	
RAIL CAR ID:	2345687
DELIVERY TONS:	57.0
-----	
RAIL CAR ID:	KBCY0034
DELIVERY TONS:	38.7
-----	

This example indicates inventory activity for one wood type. It also indicates a record of tonnage delivered by specific rail cars.

This example indicates inventory activity for four types of wood. Other product types may be added and the labeling configured for specific needs.

Data may also be sent to a computer spread sheet.

**Flexibility is the concept.**

**TECHNICAL DATA SHEET**  
 Log Inventory Management System  
 Portal Crane



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