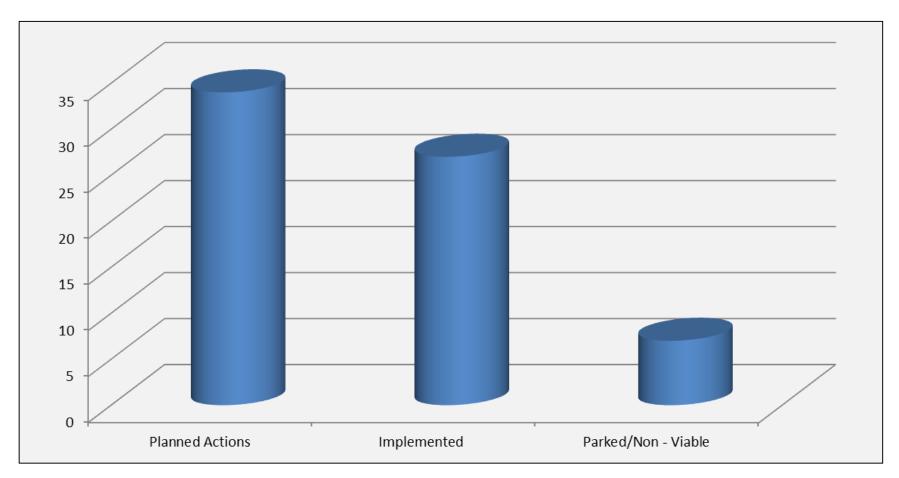


Receiving Warehouse Transformation

Receiving Kaizen Event:



Overall Performance





Outputs

Before:



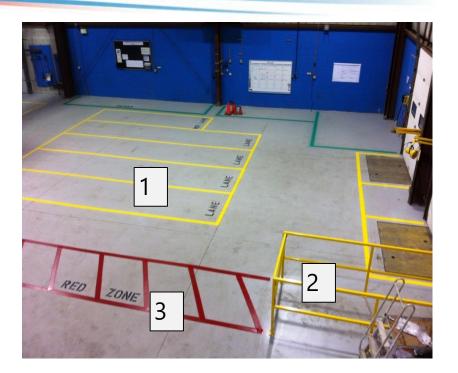


Who knows what goes where???

After:







1. Numbered Staging Lanes: Allows for a robust First In – First Out Process (FIFO)

- 2. Carrier Pen: Limits the movement of Carriers within the Department
- 3. Red Zone: Limits the pedestrian activity within Receiving Area.
- **4. Set in place:** Charging stations for forklifts (PMHV) Area.









PMHV Recharging Station – Dedicated Space for specific activity
Dock Lamps – Increases <u>Visibility</u> and Safety when servicing trailers







In-Station Process Control

Visual Factory







In-Station Process Control

Visual Factory

Built In Quality







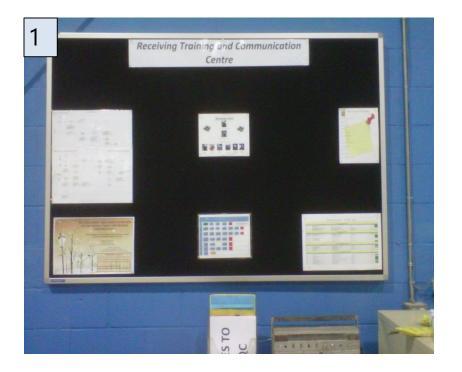




Q.C. QUARANTINE PARTS STATUS				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	C.C. QUARANTIN	14 2426 16151 137029 1960-1 142861 2580 142861 19025 142861 19025 142861 19252 142861 14252 142821 5013766 143529 14269 142726 590118 142726 590118 142722 100034 14369 143523 14369	2	
		14787 1 SO17723		

Visual Management allows for anyone to see quickly the status of an area and supports the work done by the teams. When things are made visual they become part of the overall flow as opposed to hidden in the traffic.







 Departmental Training Center: A central place for all Departmental and Plant Specific control documents and information is presented.
Document Station: Documents can be kept and easily referenced.
(Ex. Procedures, Single Point Lessons and Work Instructions.)





Opportunity: Employees did not have a vehicle to track/capture departmental issues or Performance

Improvement: Two Carousels are prominently displaced to add substance to the morning huddle

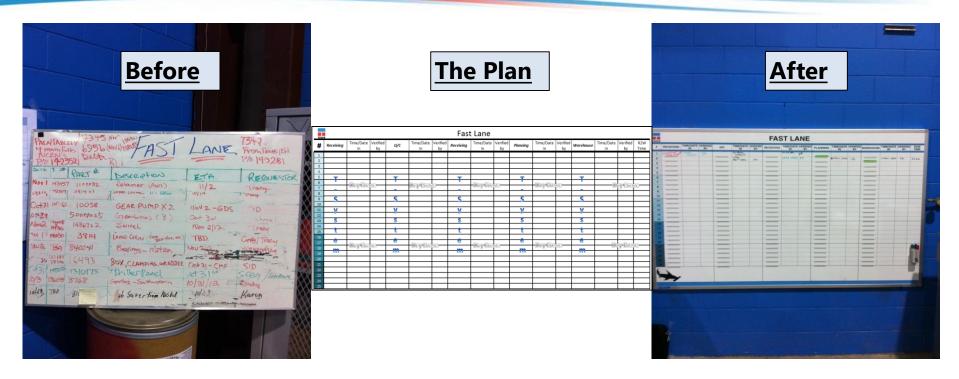






Opportunity: Parts unidentified in various stages of process. No tractability of aging parts **Part Identification and Tractability:** Examples of "In Station Process Control and Built In Quality"





Fast Lane Process

The Opportunity: TMF had no formal process to physically track arrived Hot Parts and measure throughput.

The Improvement: A formal process was created through the collaborative effort by Receiving, Quality, Purchasing, Continuous Improvement and Planning Teams. TMF now has a **Standard** in place to manage and measure Hot Part performance.



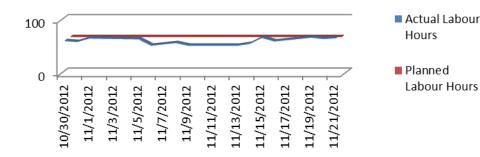
"You Can Not Improve What You Can Not Measure."

W. Edwards Deming

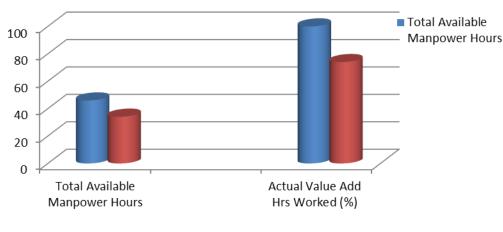


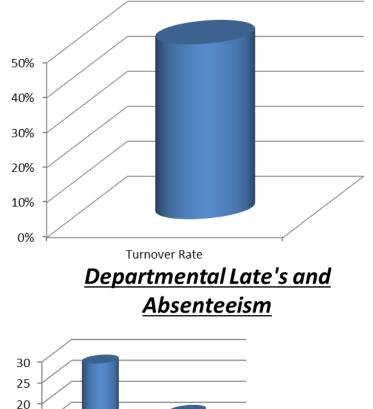
Planned Labour Hour Vs. Actual - Trending

Receiving Manpower Turn Over Rate



Manpower Utilization - Verifier/Put Away





Late

Occurances

15

10

5 0

Absent

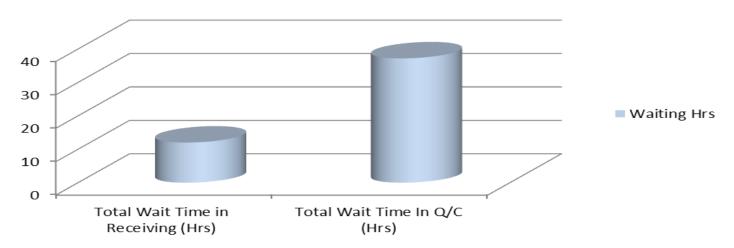
Occurances





Length of Time Parts Sit On The Dock (Wait Time - Hrs) 25 20 15 Wait Time – Nov. 14th 10 5 0 DettalGlobalHeat... DynalScreen craft Alberta Tent HUNTERTOOLS NardLenard LennyGoweld Ackland Various Berender Various Rotary Zimco Nailat CMF

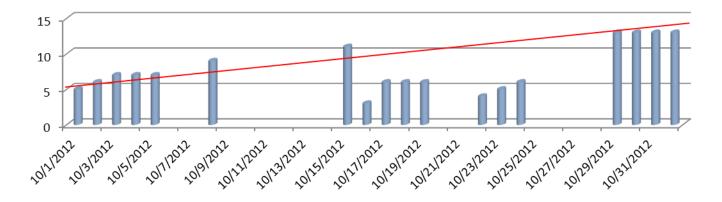
Receiving / Quality Waiting - Moving Average



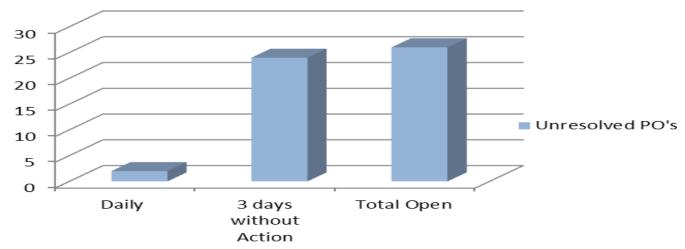




Open Discrepancies Exceeding 3 Days without Action

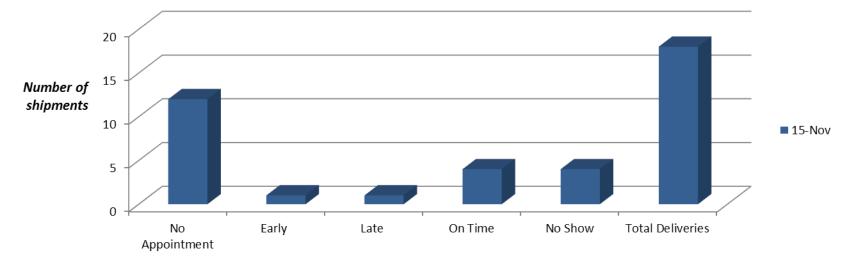


Unresolved PO's as of 11/13/12



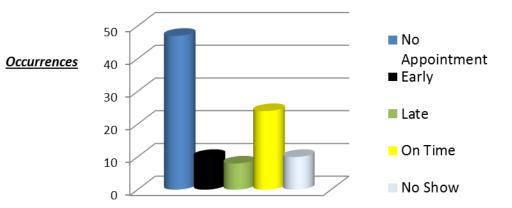


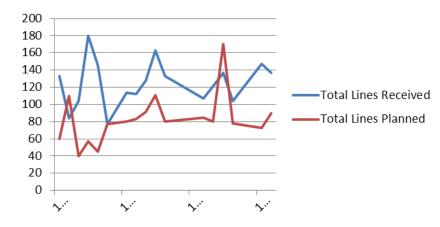
Delivery Performance 11/15/12



Delivery Performance - Trending

Line Received vs. Lines Planned

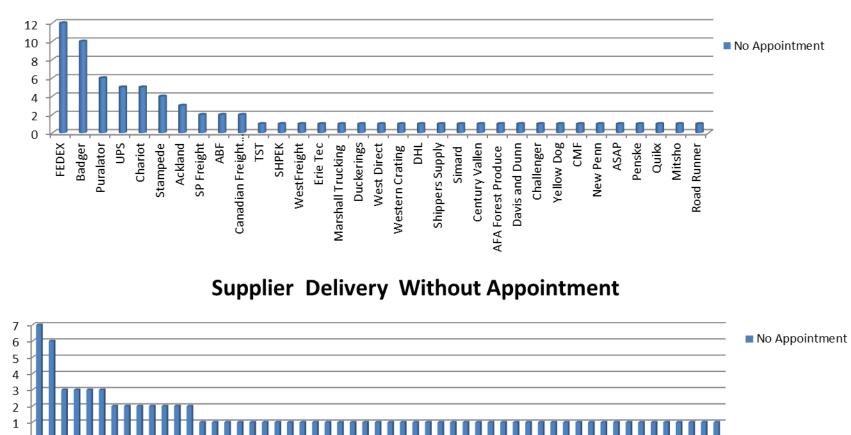








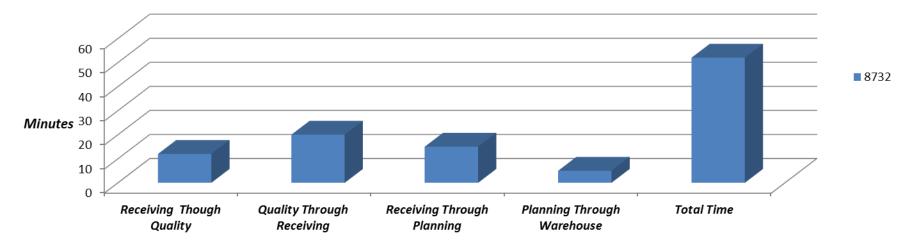
Carrier Delivery Without Appointment



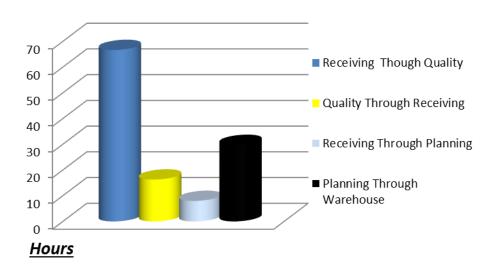
Wilson



Fast Lane Performance 11/8/2012



Accumulative Hours Nov.6 - Nov. 16



Moving Average

