

# Leader Standardized Work

**By: Walt Miller** 

**Operation Excellence Coach** 

Columbus Mid-Range Engine Plant – CMEP, Columbus, In.

Cummins, Inc.



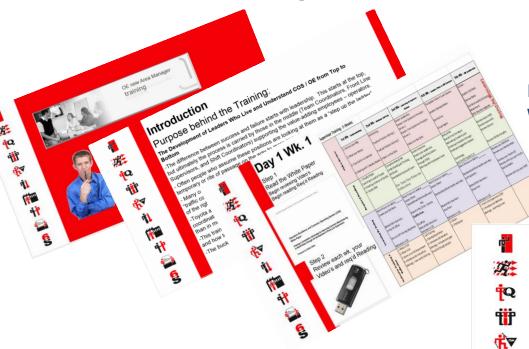
Purpose-driven Excellence

# Building the Foundation for Leaders Standardized Work – 5 week training

Ť

**\*\*\*\*\*\*\*** 

Ť



2<sup>nd</sup> – 4 hours on the shop floor working on the line with your team

1<sup>st</sup> – 4 hours in the office reviewing videos and reading White Papers

#### **OE new Area Manager Training**



Daily Work Book
Please fill in each day or wk. as requested
Book can not leave the OE office until the end of the class

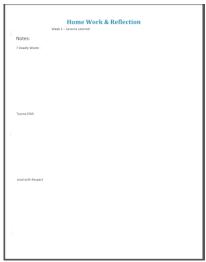






# Building the Foundation for Leaders Standardized Work







#### Learning by doing

- Required Reading listed in the Workbook (write down your thoughts)
- Daily Assignments Learning by doing

End of the week – Reflection on notes – Lessons Learned discussion with the OE trainer



# **Building the Foundation for Leaders Standardized Work**

# This is a 5 week training class that every Supervisors attends

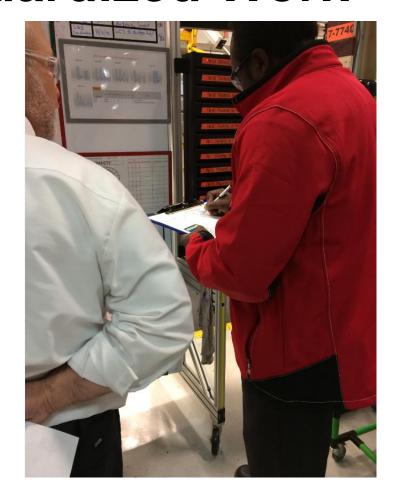
**Week 1** – What is Operation Excellence – New Role of a Leader as a Coach and Teacher

**Week 2** – Kaizen (My Role as the Supervisor to ensure we continue the Kaizen Culture)

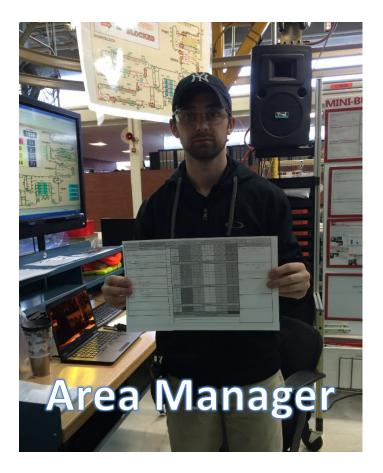
**Week 3** – Problem Solving (First as the student and 2<sup>nd</sup> as the teacher)

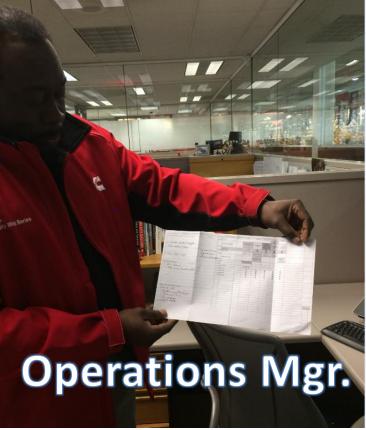
**Week 4** – What is a Mini-Business (Running my own Business, developing my skills as a manager and as a leader)

**Week 5** – On the Job Training (working as a Supervisor with a coach beside them)









Every Morning the team comes in 15-30 mins early and develops their plan



#### Things that are part of every Supervisors Standardized Work

1<sup>st</sup> – Daily Auditing Operator Standardized Work. One Operator audit per team within his or her Mini-Business, we average 4-6 teams. This is coordinated with the Team Leaders Standardized Work audit within each team. Rule is that both audits must be on the same operator and within the same hour. Lots of coordination is key

2<sup>nd</sup> – **Hourly walks** gathering data on down time or issues within the teams – **Respect for People**, helping supporting, and enabling through problems solving teams

3<sup>rd</sup> – **Mini-Business daily meeting** – 9:30am each day on the floor with cross-functional team members and Team Coordinators with the Supervisors





Things that are part of every Supervisors Standardized Work

4<sup>th</sup> – **Gemba 20 min review** – they can pick from – Top Quality concern station, Safety concern Station, Top Over Cycled station during the week. Goal is to pull ideas from the team and transfer information onto my Std Work sheet and work with their team to write Kaizen sheets for improvements.

5<sup>th</sup> – **Review weekly all my teams A3s**. Goal is ensure that the team is thinking correctly – 8 Step problem solving methodology. Not telling but inquiring and challenging them "what do you think about this or that".

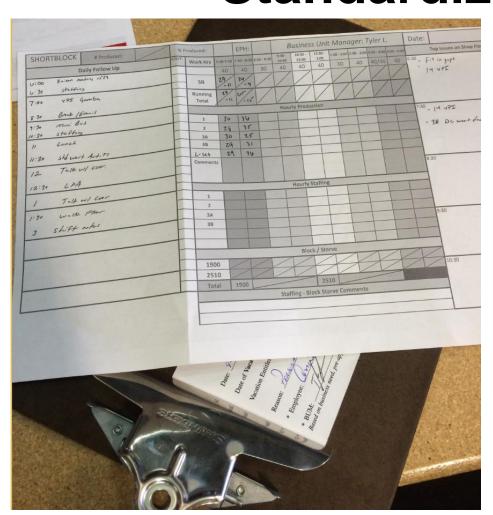
6<sup>th</sup> – Critical meetings

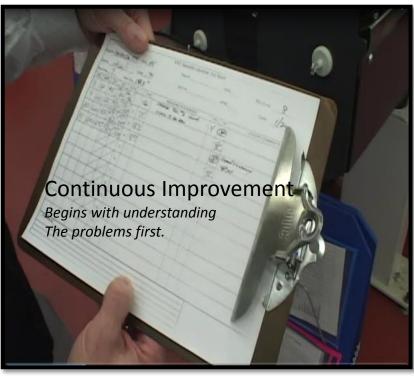
7<sup>th</sup> – **Reflecting on yesterday** to add anything important













#### How do we create LSW? (Step 2)

Never allow one bad hour to creep into the next hour if you can help it.

If you can't help it document every detail of the problem.

Wkly review with your team for the top problems and move to PDCA

# Every hour now the Supervisor walks the shop floor.

Matching expectation with reality

No Blame - just gathering data & helping where necessary

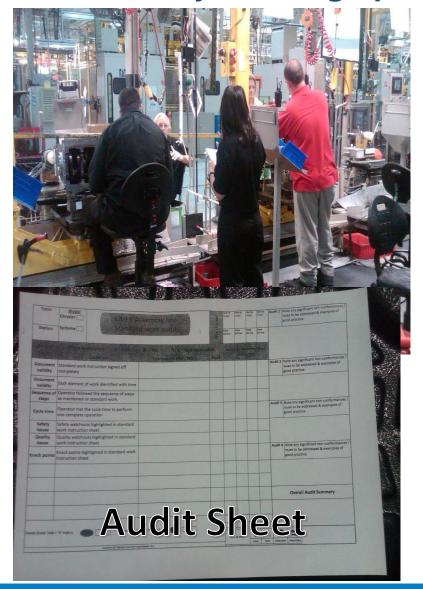
And now that they have good data.

Prioritizing Problems and then helping the team in problems solving

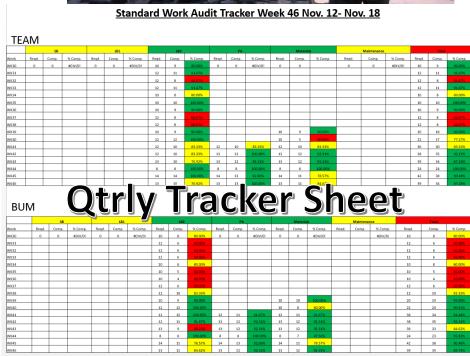




#### Daily auditing operators Standardized Work

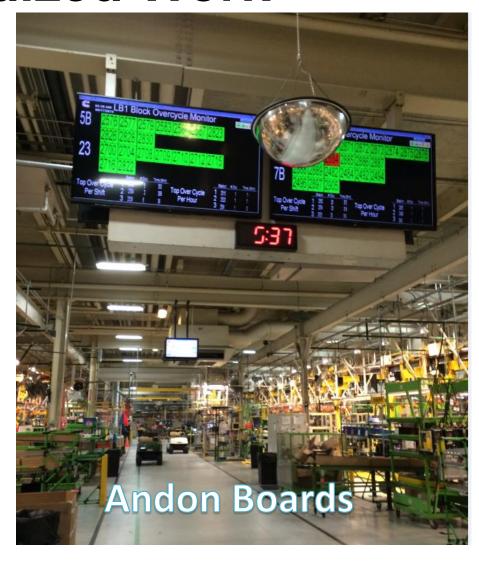






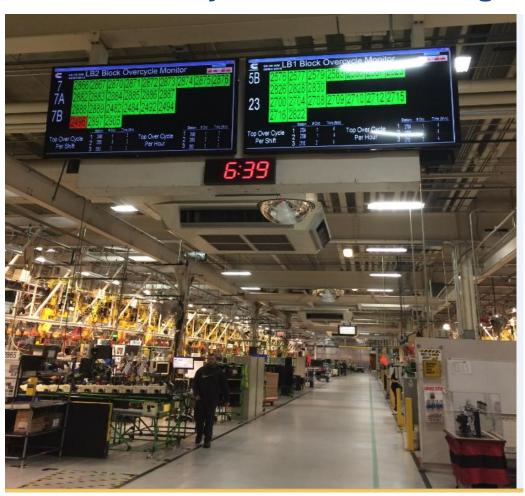








#### Hourly walks or reacting to the Andon Boards



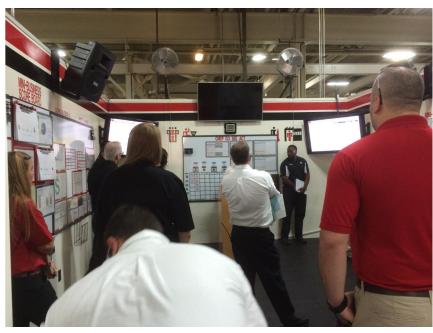
Andon Boards track any abnormality to the cycle time (70 seconds) – Indicated by Red on the station

It also tracks top station delays within in the hour

It also tracks top stations delays for the entire day



#### **Mini-Business Process**

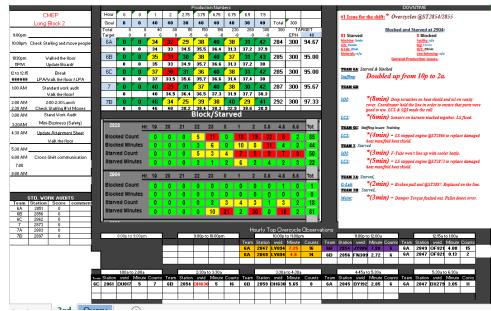


Teams meet daily at 9:30am

#### 8 AM daily meetings

- Reviewing daily activities against targets, discussing abnormalities

1<sup>st</sup> shift and 3<sup>rd</sup> Shift Coordinator – Report outs



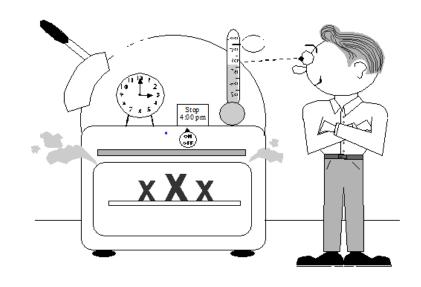


#### **Application of the Mini-Business**

- · Display standards and reliable methods
- Identify abnormal conditions immediately
- · Prompt quick action and communication

#### **Underlining questions**

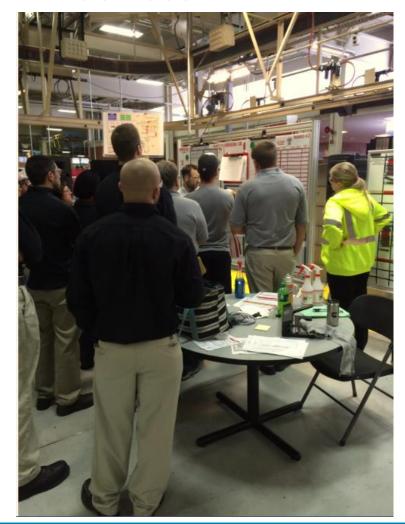
- How to Communicate?
- How to Empower Operator?
- How to Utilize the Talent of people?
- How to Innovate?
- What is the expected Management behavior?





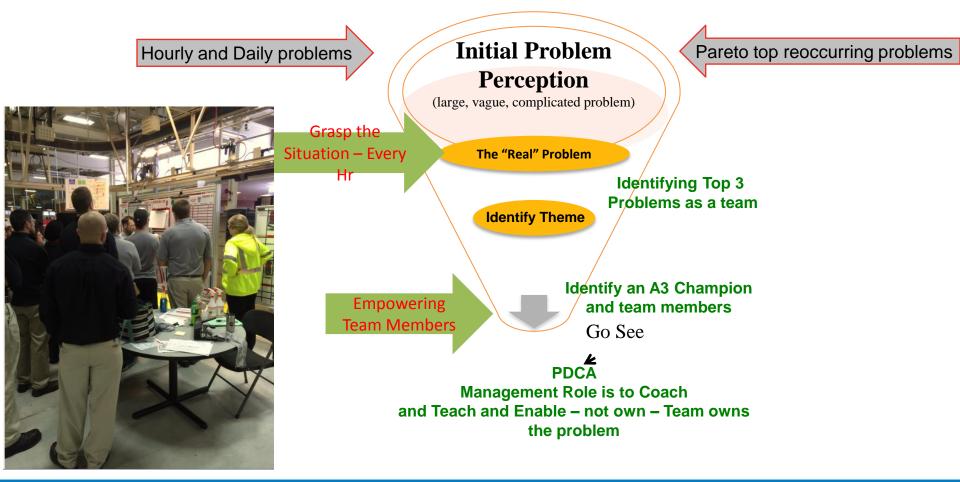
#### **Core Values of the Mini-Business**

- Continuous Improvement
- Respect for People Problem Solving Skills are developed
- Clarity, Focus, Discipline, and Engagement – Putting the Customer first
- Plant Communication & Critical Information sharing
- Support teams work with Shop Operations
- Resource Alignment Team Work Develops future leaders
- Performance is understood –
   Customer & Supplier relationship
- Regular meetings
- PDCA





#### Mini-Business thinking is a "funneling" thought process







#### **Enabling Problem Solving Teams and Kaizen**



Kaizen



Reviewing Team A3's





**End of the Day – Daily Reflection** 







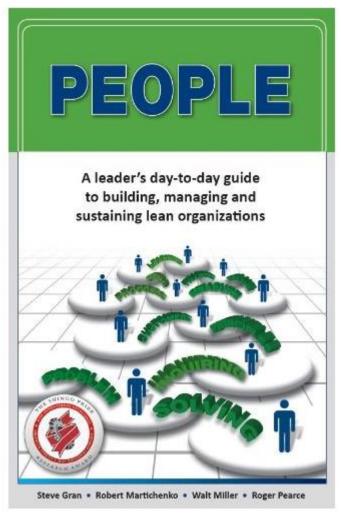
#### Then we start again tomorrow

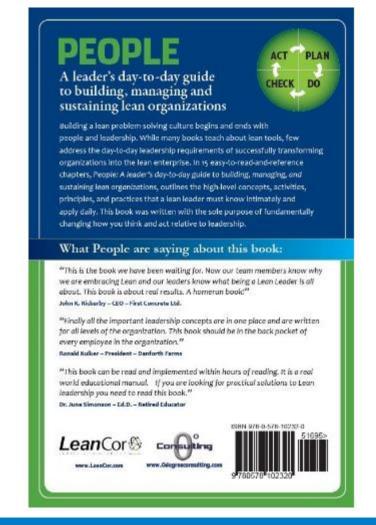






#### **Any Questions**







# **Thank You!**

Your opinion is important to us! Please take a moment to complete the survey using the conference mobile app.

Session Code: TP/07
Leader standardized work – planning for success
Walter Miller
Cummins Inc.
walter.miller@cummins.com

