

# Operations Production System Equipment Transformation



**Cessna**  
**2020**





Step 1 – Cleaning with Meaning

Step 2 - Eliminate Sources of Contamination and Inaccessible Areas

The Autoclave team spent 8 hours doing the initial cleaning and identified 43 corrective actions. The press team repaired 23 out of 27 problems during the event.



On the CNC Mill, the team found and eliminated 3 key sources of contamination. The one shown below caused regular machine stoppages.







## Step 5 - Autonomous Inspection



Operator Daily PM Checklist		Preventive Maintenance Plan	
Works at Max. Speed	Page No. 116 - 120	Works at Max. Speed	Page No. 116 - 120
1	Check for 1/2 inch leaks, or 1/2 inch leaks in Gear Oil Pan	Daily	Maintenance
2	Check for 1/2 inch leaks, or 1/2 inch leaks in Gear Oil Pan	Daily	Maintenance
3	Check for 1/2 inch leaks, or 1/2 inch leaks in Gear Oil Pan	Daily	Maintenance
4	Check for 1/2 inch leaks, or 1/2 inch leaks in Gear Oil Pan	Daily	Maintenance
5	Check for 1/2 inch leaks, or 1/2 inch leaks in Gear Oil Pan	Daily	Maintenance

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Operators, Engineering and Maintenance personnel worked hand in hand to determine what checks need to be done and established who will do them and how often. The amount of time to do each task is also part of the standard.

## Theme: Step 1 – Cleaning with Meaning



### Summary:

When we started I thought it was a lost cause but as we kept working even I was surprised! This team found 47 problems during the TPM Event and repaired 21 by day 2. This autoclave experienced a 18 percent improvement in cycle time performance with reaching it's set point much quicker than before.



Date Developed: July 27th, 2000

Author: J. Trego

ERC ID: TPM1119-002



Notable Results: \$1.5 M Cap. Avoidance

Dept/Team: Dept. 10

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## Theme: Step 1 – Cleaning with Meaning



### Summary:

Keeping the heat exchanger clean will help with the energy bill and cycle time. It took Paul two hours to get the heat exchanger clean but in reality this ended up being the biggest contributing improvement to the 18% productivity improvement. Paul was even a visiting participant for Johnson Truck Body. Go Paul!



Date Developed: July 27th, 2000

Author: Paul Molls

ERC ID: TPM1119-003



Notable Results: 18% CT Red.

Dept/Team: Heat Busters

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