

# Preventive Maintenance Procedure Example

<b>Equipment Block ID:</b>
Line 101

<b>Equipment Hierarchy:</b>
ES60XXX Septet Process Line

<b>Project Description:</b>
Perform PM on Septet Process Line

<b>Job Description:</b>
Perform PM on Hydraulic System

<b>Frequency:</b>	Monthly
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<b>Estimated Craft Hours:</b>	2 techs x 3.0 hrs	<b>Estimated Elapsed Time:</b>	3.0
<b>Estimated Production Downtime:</b>	3.0		

<b>Originator:</b>	Dave Stone	<b>Origination Date:</b>	03/12/2012
<b>Owner:</b>	Plant Maintenance	<b>Version #:</b>	1.0
<b>Previous Version(s) Modifications:</b>			
<b>Approval:</b>	DS	<b>Version #:</b>	1.0

<b>Warnings:</b>	Failure to follow instructions could lead to death or serious injury
<b>Cautions:</b>	Failure to follow procedure could result in early equipment failure

<b>Personal Protective Equipment Required:</b>	Gloves, face shield, hearing protection
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Part # (Stores ID)	Part Description	Quantity	Quantity Description
#B3214	Hydraulic Filter	2	Each
#B2543	Zinc Anode	1	Each

<b>Consumables Needed:</b>
Degreaser, lint free towels, thread seal

<b>Special Tools Required:</b>
½ "Torque Wrench

<b>Mobile/Special Equipment:</b>
None

<b>Required Departmental Coordination:</b>
Production Line shutdown / Hydraulic Cylinder Extended / One Operator to Assist Maintenance
<b>Other Procedures Referenced:</b>
Job Preparation / Lockout Procedure #XXX

# Preventive Maintenance Procedure Example

Step#	Description	Craft	# of Crafts	Clock Hours	Craft Hours	Craft Initials
1	Inspect Hydraulic System Running <ul style="list-style-type: none"> <li>Does the Pressure Fluctuate more than 5psi? <b>Yes / No</b></li> <li>Number of Hydraulic Leaks _____</li> </ul>	Mech	2	.5	1.0	<i>BD</i>
2	<b>Lockout/Tagout Hydraulic System</b>	Mech	2	.25	.5	<i>BD</i>
	<b>Caution: Failure to Clean inside reservoir will result in premature valve failure</b>					
2	Clean inside Reservoir with Lint Free Rags	Mech	2	1.0	2.0	<i>BD</i>
3	Replace Hydraulic Filters (2)	Mech	1	0.3	0.3	<i>JR</i>
4	Torque Fasteners on Filter Fasteners to (					
4	Replace Zinc Anode on Water Cooled Heat Exchanger	Mech	1	.5	.5	<i>JR</i>
5	Inspect 5 Hydraulic Hoses for wear or leaks <ul style="list-style-type: none"> <li>Hose 1.1 <u>Yes / No</u></li> <li>Hose 1.2 <u>Yes / No</u></li> <li>Hose 1.3 <u>Yes / No</u></li> <li>Hose 1.4 <u>Yes / No</u></li> </ul>	Mech	2	1	2	<i>BD</i>
6	Inspect Hydraulic Cylinder for Leaks <ul style="list-style-type: none"> <li>Inspect Rod Seal for Leaks (Circle One)               <ul style="list-style-type: none"> <li>No Leaks</li> <li>Weeping Oil</li> <li>Oil Stream</li> </ul> </li> <li>Inspect Rod Yoke for break in thread seal on threads Breaks? <b>Yes / No</b></li> </ul>	Mech	1	0.3	0.3	<i>JR</i>
7	Inspect all work after production is up to rate "Do not leave equipment until production is up to rate"	Mech	2	.5	1.0	
	<b>TOTAL Hours</b>			<b>4.35</b>	<b>7.0</b>	

**Condition (As Found):**

*3 leaking hoses*

**Condition (As Left):**

*Clean reservoir and area, , tightened hose fittings*

# Preventive Maintenance Procedure Example

## Comment(s) / Findings:

*3 leaking hoses, need to replace all 3 hoses and fittings, Rod Seal "Weeping Oil"?*

## Craft's Feedback on Procedures:

*Need to add "clean outside reservoir"*

## Craft's Signature(s):

*Jimmy Rogers*

*Bo Didley*

## Date:

*December 21, 2020*

### Preventive Maintenance Best Practices plus, PM Optimization Workshop

March 23-25, 2021

Virtual (Zoom-Internet)

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For more information send request to:

[rsmith@worldclassmaintenance.org](mailto:rsmith@worldclassmaintenance.org)

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#### Learn...

- Preventive Maintenance Known Best Practices
- Create an PM Dashboard
- The number of times a PM inspection should identify a defect or abnormality
- When to use a GEMBA Walk to Optimize Preventive Maintenance
- Definition of Preventive Maintenance
- Maintenance and Operator PM Alignment
- Top 10 Reasons why Preventive Maintenance does not meet expectations and what to do not about it
- How PM Compliance can be misleading
- Learn how write an Effective PM Procedure
- Learn how to know if a PM is effective or not
- Describe the Objective of Preventive Maintenance
- Execute in a group environment Preventive Maintenance "hands on" exercises (over 20 exercises)
- Learn how to Measure if a Preventive Maintenance Function is effective
- How to engage Production to execute simple PMs
- Create Leading and Lagging Preventive Maintenance Metrics
- Define how to transition from current state to a Proactive Preventive Maintenance
- Learn and Practice how to conduct a PM Optimization in your plant/facility
- ...and so much more