

# HYDRAULIC PM PROCEDURE EXAMPLE

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# Preventive Maintenance Procedure Example

Equipment Block ID:  
**Line 101**

Equipment Hierarchy:  
**ES60XXX Septet Process Line**

Project Description:  
**Perform PM on Septet Process Line**

Job Description:  
**Perform PM on Hydraulic System**

Frequency: **Monthly**

**2 techs x 3.0 hrs** Estimated Elapsed Time: **3.0**  
Estimated Craft Hours:  
**3.0** Estimated Production Downtime:

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

Warnings:  
**Failure to follow instructions could lead to death or serious injury**  
Cautions:  
**Failure to follow procedure could result in early equipment failure**

**Gloves, face shield, hearing protection.**  
Personal Protective Equipment Required:

Part # (Stores ID) Part Description

Part #	Part Description	Quantity	Quantity Description
#B3214	Hydraulic Filter	2	Each
#B2543	Zinc Anode	1	Each

Consumables Needed:  
**Degreaser, lint free towels, thread seal**

Special Tools Required:  
**½ "Torque Wrench**

Mobile/Special Equipment:  
**None**

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

Referenced:



# Preventive Maintenance Procedure Example

Step#	Description	Craft	# of Crafts	Clock Hours	Craft Hours	Craft Initials
1	Inspect Hydraulic System Running •Does the Pressure Fluctuate more than 5psi? Yes / No •Number of Hydraulic Leaks _____	Mech	2	.5	1.0	BD
2	Lockout/Tagout Hydraulic System Caution: Failure to Clean inside reservoir will result in premature valve failure	Mech	2	.25	.5	BD
2	Clean inside Reservoir with Lint Free Rags	Mech	2	1.0	2.0	BD
	Replace Hydraulic Filters (2)	Mech		0.3	0.3	JR
3	Torque Fasteners on Filter Fasteners to (	Mech	1	.5	.5	
4	Replace Zinc Anode on Water Cooled Heat Exchanger	Mech	1	1	2	JR
4	Inspect 5 Hydraulic Hoses for wear or leaks	Mech	1			BD
5	• Hose 1.1 Yes / No • Hose 1.2 Yes / No • Hose 1.3 Yes / No • Hose 1.4 Yes / No		2			
6	Inspect Hydraulic Cylinder for Leaks •Inspect Rod Seal for Leaks (Circle One) -No Leaks -Weeping Oil -Oil Stream •Inspect Rod Yoke for break in thread seal on threads Breaks? Yes / No Inspect all work after production is up to rate	Mech	1	0.3	0.3	JR
7	"Do not leave equipment until production is up to rate" TOTAL Hours	Mech	2	.5	1.0	
				4.35	7.0	

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

**BoDidley**

Date:

December 21, 2020

**Preventive Maintenance Best Practices plus, PM Optimization Workshop**  
March 23-25, 2021  
Virtual (Zoom-Internet)  
Live at Southern Wesleyan University, Central, SC

For more information send request to:  
[rsmith@worldclassmaintenance.org](mailto:rsmith@worldclassmaintenance.org)

Download a brochure at: [www.worldclassmaintenance.org](http://www.worldclassmaintenance.org)

*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

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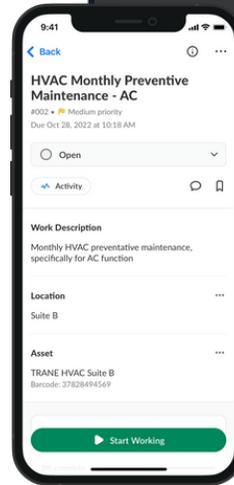
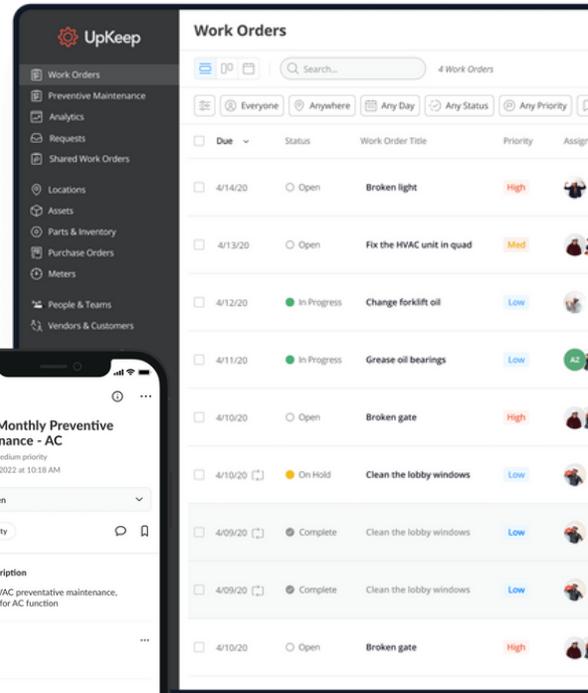
## Our Products



**Mobile-first maintenance management and collaboration across all location, assets, and teams**

With nearly 340 different machines in our work environment, it's an impossible task to manually assign and track PM's. **With UpKeep we can schedule regular maintenance without overlapping tasks with other critical jobs."**

★★★★★ Paul D, Health and Safety Coordinator



**An end-to-end solution for remote condition-based monitoring**

Connected and secure IoT sensors for real-time remote condition asset monitoring



**Integrated & Centralized Data Ecosystem for World Class Asset Operations**

The only purpose built Asset Data Platform. Asset Focused ELT Solution for advanced analytics and integrated, real-time asset data.

**The Maintenance Community Coalition was founded on the belief that working together will benefit everyone within our community**

Committed to helping each other thrive in our individual professional journeys by sharing resources and expertise, granting scholarships, hosting events, and unlocking knowledge – always at no cost.

