



## Performance Based Objectives – Preventive Maintenance

PBO No.	Performance Based Objective
PM-1	Identify, Explain, and Demonstrate safe practices when doing general preventative maintenance including common slip hazards, hydraulic system injection hazards, and chemical hazards.
PM-2	After completing assigned work, students will ensure that the work area is left clean and free of debris, maintenance supplies, parts and tools.
PM-3	Monitor floor management development system by doing the following: <ul style="list-style-type: none"><li>- Maintain neat work area</li><li>- Replace used tools and equipment in designated areas</li><li>- Establish minimum and maximum quantities acceptable for floor area</li><li>- Maintain recycle and waste segregation</li><li>- Identify principles of a 5S program</li></ul>
PM-4	Perform equipment checks, including: <ul style="list-style-type: none"><li>- Perform visual inspection of equipment</li><li>- Check gauges</li><li>- Check for abnormal readings and conditions</li><li>- Verify current readings</li><li>- Check valve positions, abnormal noises, leaks, and temperatures</li></ul>
PM-5	Change air and oil filters as prescribed, and demonstrate the proper disposal of used filters.
PM-6	Maintain oil and grease levels by doing the following: <ul style="list-style-type: none"><li>- Check sight glass-hydraulic oils</li><li>- Check grease canisters</li><li>- Check air lubricators</li><li>- Check gear box oils</li></ul>
PM-7	Collect oil samples for analysis by performing the following steps: <ul style="list-style-type: none"><li>- Secure sample collection kit from store room</li><li>- Clean port before taking sample</li><li>- Take sample from equipment</li><li>- Label sample container</li><li>- Prepare sample for shipment to send to lab for analysis</li></ul>
PM-8	Interpret oil analysis data and take action by accomplishing the following steps: <ul style="list-style-type: none"><li>- Read and interpret oil analysis data</li><li>- Determine root cause of contamination</li><li>- Initiate work orders as required</li><li>- Locate and eliminate source of contamination</li><li>- Schedule a repair if contaminated</li></ul>
PM-9	Troubleshoot automatic lubrication systems by: <ul style="list-style-type: none"><li>- Identify types of lubrication systems</li><li>- Identify components of a series type, automatic lube system</li><li>- Troubleshoot series type, automatic lube system</li></ul>





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PM-10	Using manufacturers' literature/recommendations or other typical plant resources, select the appropriate lubricant for a track.
PM-11	Using manufacturers' literature/recommendations or other typical plant resources, identify the check frequencies for given equipment.
PM-12	Given the criticality of a lubed component, failure, repair frequency, and monitoring equipment, estimate the check frequency.

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