

Manufacturers of Precision Cleaners and P-80 Assembly Lubricants
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Pump Maintenance in 7 Easy Steps

When things are running smoothly it's easy to overlook common maintenance chores and rationalize that it's not worth the time to regularly inspect and replace parts. But nothing could be further from the truth. The reality is that most facilities have several pumps performing a variety of functions that are integral to the successful operation of the plant. If a pump malfunctions it can be the cause of an entire plant shut down.



Pumps are the cogs in the wheel that keep your facility functioning efficiently, whether they are used for manufacturing processes, HVAC, or water treatment. To keep pumps running properly, a regular maintenance schedule should be implemented and followed.

1. DETERMINE MAINTENANCE FREQUENCY

Consult the original manufacturer's guidelines. Consider the timing to schedule your maintenance. Will lines or pumps have to be disabled? Select a time when the system is down and use common sense when deciding the time and frequency.

2. OBSERVATION IS KEY

Get to know your system and make a point to observe your pump while it is still running. Make note of leaks, unusual sounds or vibrations and unusual odors.

3. SAFETY FIRST

Make sure machines are properly shut-down before performing your maintenance and/or systems check. Proper isolation is important not only for electrical systems, but for hydraulic systems as well.

4. MECHANICAL INSPECTION

1. Check that mounting points are secure
2. Inspect the mechanical seal and packing
3. Inspect the pump flanges for leaks
4. Inspect the couplings
5. Inspect and clean filters

5. LUBRICATION

Lubricate the motor and pump bearing per manufacturer's guidelines. Be sure not to over lubricate. More bearing damage occurs as a result of over greasing than under greasing. If the bearing has a vent cap, remove the cap and run the pump for 30 minutes before reinstalling cap. This will allow excess grease to work its way out of the bearing.

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6. ELECTRICAL/MOTOR INSPECTION

1. Check that all terminations are tight
2. Inspect motor vents and windings for dust/dirt build-up and clean according to manufacturer's guidelines
3. Inspect starter/contractor for arcing, overheating, etc.
4. Use a megohmmeter on the windings to check for insulation failure

7. REPLACE DAMAGED SEALS AND HOSES

If any hoses, seals, or O-rings show wear or damage, replace immediately. Using a temporary rubber assembly lubricant will ensure a tight fit and prevent leaks or slips.

International Products Corporation (IPC) offers a unique line of temporary rubber lubricants. Our P-80® lubricants are available in six water-based formulas that offer superior lubrication and are compatible with a variety of surfaces. P-80 lubricants are environmentally friendly, most are biodegradable.

There are numerous lubricants out there, including good old soap and water, so why do you need specially formulated rubber lubricants?



The facts speak for themselves:

	P-80®	Solvents	Soaps & Detergents	Petroleum Distillates
Reduces Friction by	70%	30%	30%	60%
Characteristics	<ul style="list-style-type: none"> • Provides superior temporary lubrication • Environmentally friendly • Safe for workers • Comes in many biodegradable formulas 	<ul style="list-style-type: none"> • Provides poor lubrication • Contains high VOCs, may be flammable • Poses possible health risks 	<ul style="list-style-type: none"> • Provides inconsistent, nominal lubrication • May reactivate when wet 	<ul style="list-style-type: none"> • Provides sustained lubrication • Often incompatible with materials • Leaves a heavy residue

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Many pump manufacturers advise against the use of oil, petroleum jelly or other petroleum or silicon based products for elastomer seal lubrication. Using such products could cause seal failure due to swelling of the elastomer. P-80 rubber lubricants are temporary, once dry the lubrication ceases and parts stay in place. Additionally, these lubricants will not reactivate in the presence of water and they will not dry out rubber parts.

Keep your facilities running smoothly. Try P-80[®] temporary rubber assembly lubricants for your pump maintenance needs. Visit <http://www.ipcol.com> to speak with a specialist and request a sample for testing.

All P-80[®] products are manufactured in the USA by International Products Corporation (IPC) and are readily available worldwide through a network of global distributors. Contact IPC for a free P-80[®] sample kit by visiting www.ipcol.com or email sample@ipcol.com. P-80[®] is available for purchase online at www.ipcol.com.