

# OPTIMIZING MAINTENANCE OF GAS PROCESSING FACILITIES

Regular maintenance and lubricant reconditioning of critical gas processing equipment can extend the life of your critical components, reduce oil replacement costs, and prevent the major causes of equipment failure.

Which services should you be performing and how often? The chart below lays out an optimal maintenance schedule for Gas Processing Plants. Use this as a guide for setting up your maintenance program:

Service	Area of the Unit/Plant	Technical description of why service is performed	Issues service is eliminating	Frequency of Service
Steamblowing	All	Clean mill scale and construction debris from steam lines to rotating equipment	Particulate that is harmful to valves and rotating equipment.	New construction, modification of in-service lines
Hydrolazing	All	Remove mill scale and other weld debris. Also, various deposits from in service use if necessary.	Remove weld slag and mill scale on new construction. Remove deposits from in service use.	New construction, or in service
High Velocity Lube Oil Flushing	All	FD Fan turbines, boiler feed water pumps and turbines, turbines and compressors	Clean lines to prevent premature bearing failures, or varnish removal for in-service use.	New construction, or in service.
Varnish Mitigation	All	Hydraulic, Turbine, Compressor Lubricants subjected to oxidation.	Clean Varnish Deposits that "plate" out to critical components.	Preventative Maintenance – based on annual oil analysis.
Chemical Cleaning	Boilers	Pre-operational requirement or in service	Eliminates mill scale in pre-operational and other deposits on in service cleaning	New construction, or in service.
Chemical Cleaning – Pickle/Passivation	Carbon Steel Piping / Vessels	Pre-operational requirement or in service	Eliminates iron scale and other deposits created by water / humid conditions on carbon steel.	New construction, or in service.
Degreasing	Boilers	Pre-operational requirement or in service	Eliminates oil and greases in pre-operational and other deposits on in service cleaning	New construction, or in service.
Pigging	Gas lines	Remove debris and/or water	Hydrotest water and construction debris on pre-operational use,	New construction
Slug Flushing	Pipe lines	Remove construction debris	Used on smaller lines that hydrolazing cannot be used on.	New construction
Airblowing	Pipe lines	Remove construction debris	Used to remove construction debris	New construction

*Table 1. Maintenance Schedule for Gas Processing Plants*

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## EMBEDDED TECHNICIAN PROGRAM

If you don't want to have to worry about tracking and upkeeping these reliability services yourself, the Reliable Industrial Group (RIG) philosophy is to embed a full-time technician to support your plant's maintenance and reliability ambitions. Current Programs may include MLA or MLT trained personnel to perform services including:

- On site reclamation of hydraulic fluids
- Air breather supply and replacement
- Oil filter supply and replacement
- Oil sampling
- Oil sample report review
- Inline filtration, dehydration, and varnish mitigation
- Documentation, maintenance reporting, cost savings analysis

RIG's embedded technician program is not limited to the above services. We can customize a number of reliability programs to meet the safety and reliability goals of your facility.

## CONTACT RELIABLE INDUSTRIAL GROUP (RIG)

To work with the industry leader in plant reliability and maintenance services, call 800-770-4510 today or learn more at [www.theRIGteam.com](http://www.theRIGteam.com)



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