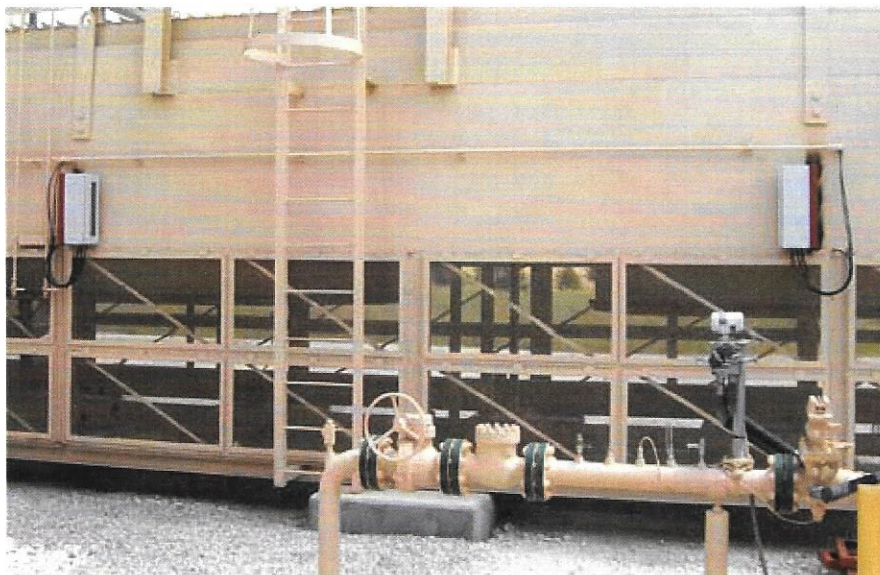


perma Lubrication Systems in
Gas Gathering and Compression



The World of Automatic Lubrication

perma[®]



(above left)

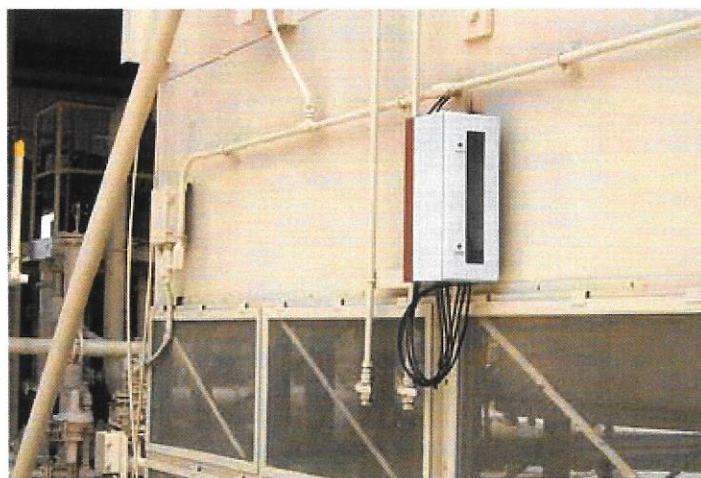
Automatic re-lubrication of multiple bearings. Utilizing the perma PRO MP-6 all bearings receive controlled, uncontaminated lubrication on a consistent basis.

(below left)

One perma PRO distributing trouble free re-lubrication. One change out every four months reduces waste, labor time and unscheduled downtime.

(below right)

One perma PRO MP-6 lubricating five critical points in a dangerous hard to access area. Change outs are at four month intervals. Stops over lubrication issues associated with this application, preventing premature bearing failure.



Trouble-free operation with automatic lubrication systems from perma

One of the main requirements for reliable operation is frequent greasing to prevent the entry of contaminants inside bearings. Many of the lubrication points in gas gathering are dangerous and hard to access, therefore they're not lubricated as often as required. This causes accelerated wear of mechanical components and often leads to premature bearing failure. Extreme operating conditions such as high temperature, vibrations, shock loads, high loads and contaminants such as dust, dirt and water demand frequent and reliable lubrication in order to prevent costly downtime.

Automatic lubrication systems from perma are successfully being used globally on many critical pieces of the gas processing industry such as compressors, fan fans and motors. They are economical, meet the technical demands and also drastically improve work place safety, a key concern in the gas gathering industry.

→ perma for **economical** reasons

Lubrication without the need to stop production increases the efficiency of your equipment. Automatic lubrication systems from perma save time because they require less time than conventional manual lube.

Do more with less:

The utilization of the perma PRO lubricating critical pieces of equipment saves time. Standard lubrication on the compressor is required at least every few weeks. With time at a premium, this is often missed or disregarded until time is available. The perma PRO provides consistent lubrication 24 hours a day, 7 days a week with no worry. You only need one easy change out, once every 4 to 12 months, for the vast majority of your equipment. You can rely on perma to deliver fresh, clean lubricant, when and where you need it, without assistance.



perma PRO MP-6 mounted in enclosure box on gas compression engine cooling fan.



Gas engine compressor fan. Three middle bearings shown with perma 90° tube adapter and 5/16" tubing that is run from externally mounted perma PRO MP-6 automatic lubricators.

→ perma for **safety** reasons

Maintenance personnel are constantly exposed to danger in the field. Applications are commonplace that expose each to harm's way. Using permas with remote mounting, away from potential hazards, minimizes one's exposure to unsafe practices by up to 90%. Making it easier to follow and observe the required safety precautions.

→ perma for **technical** reasons

Automatic lubrication systems ensure an uninterrupted supply of sufficient, fresh lubricant to all lubrication points. In addition, they effectively seal lubrication points and bearing seals to prevent the entry of water, dirt and dust. Even hard to access, moving, or hidden lubrication points that are often neglected are permanently lubricated without interrupting production.

Another advantage:

The time saved with automatic lubrication systems from perma can be invested in other value-adding maintenance tasks, including regular inspections of equipment and lubrication systems, basic condition monitoring, oil sampling and filtration.



Tubing from PRO MP-6 being run to end bearing on gas compression engine cooling fan.

perma Lubrication Systems in Gas Gathering and Compression

perma products have been successfully used in applications related to gas gathering for over five years around the world.

Reliable automatic lubrication ensures trouble free operation for machinery and equipment.

All perma PROs are mounted in NEMA Rated enclosures for protection from the harsh environment. Indicator lights and PRO display keep personnel informed on replacement and operation.

perma automatic lubrication systems – we meet your needs:

- > 24 hour operation
- > Simple installation
- > Easy tool-free exchange
- > Little mounting space
- > Tough systems – no power needed
- > Regular injections in small amounts of fresh grease

perma is the Most Trusted Partner Worldwide for all Industries:

- Global market leader
- Largest product range in the market
- Many well-known satisfied customers
- Field-tested accessories for every lubrication system
- Product training, expert advice and consultation
(check local supplier)

Automatic lubrication
systems from perma are
used in the following areas:

Motor Bearings

Fin Fans

Pumps

For more information, please visit our
website or contact your local supplier.

We will gladly send you our extensive product
catalog for more detailed information.

www.permausa.com

