



# AUTOMATIC LUBRICATION SYSTEMS

Forestry Machines



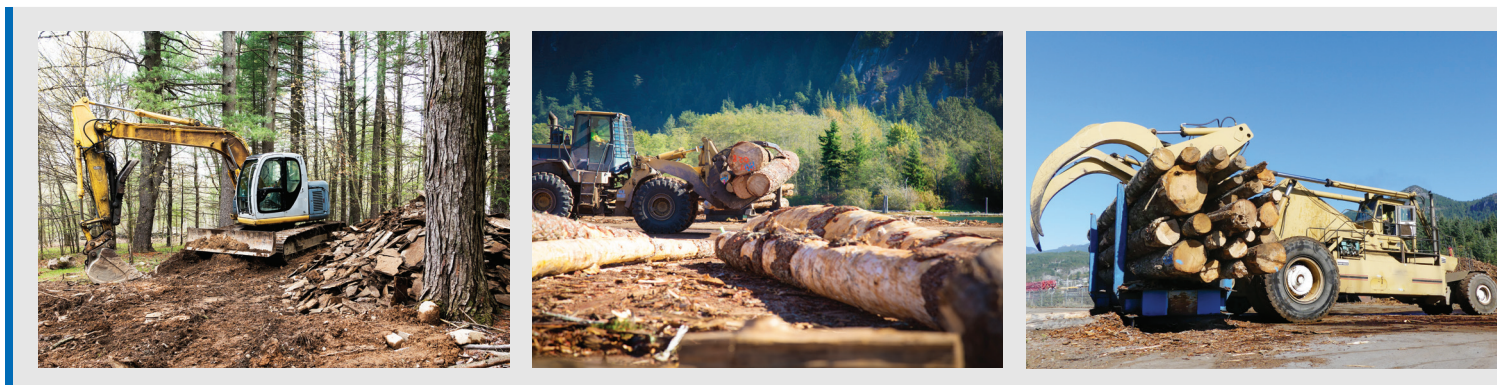
Quality Engineered Systems





## Automatic Lubrication Systems

In today's fast paced world, we expect more and more from our equipment. Similarly, technological advances, whilst making machines more efficient, has also made them more complex. Correct lubrication is the lifeblood of any machine. It keeps the moving parts, gears, pinions and mounts in good working order to provide the owner excellent life from their investment.



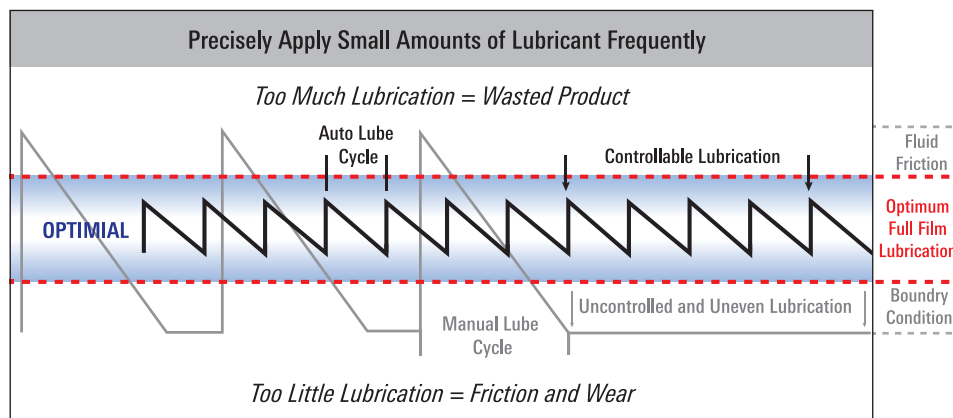
Historically manual lubrication is applied on a periodic schedule (once a day, week or month) rather than when the bearings require it. In a high number of cases the operator will grease until it starts to bubble out from the greasing point. This overfilling leads to wastage, a messy machine and additional time spent by the operator not working with the machine, rather on the machine.

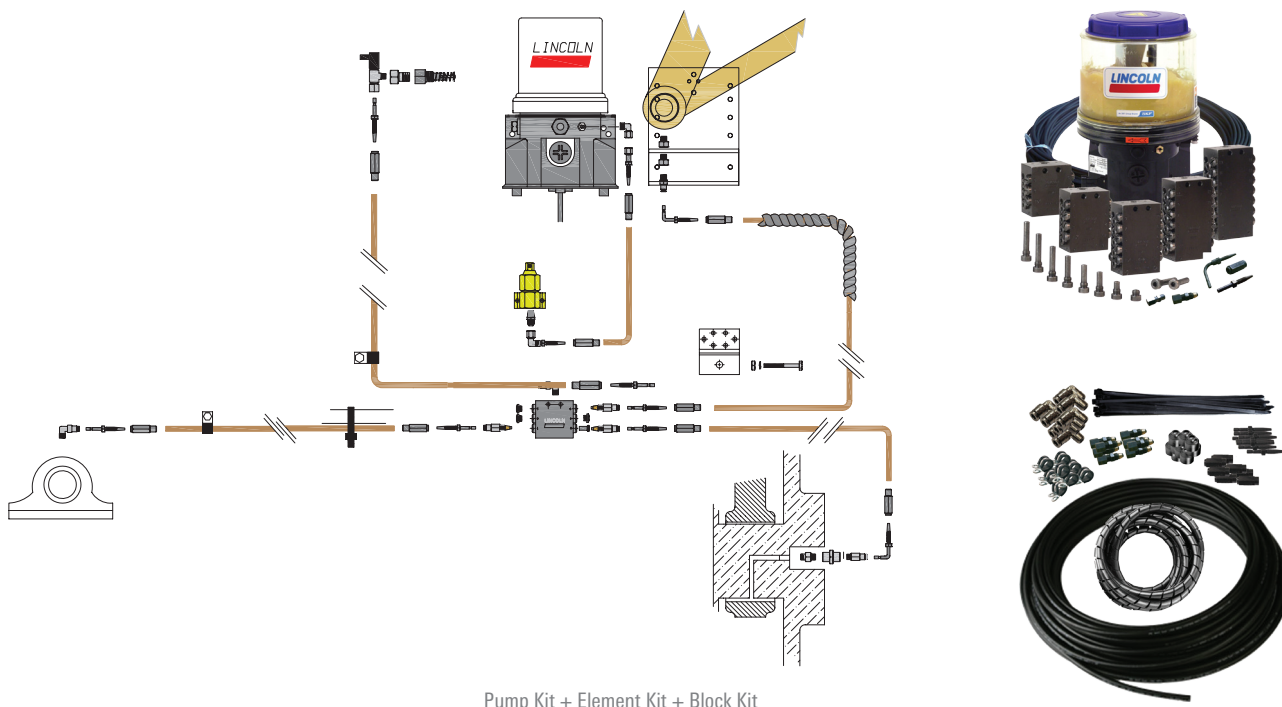
## Benefits of Automatic Lubrication Systems

**Dispensing in motion;** automatic lubrication works while the machine is in motion and while the parts are moving, this aids the penetration of grease into the pins and bushes. The spread of grease around the pin is also increased as an increase in temperature is commonly seen.

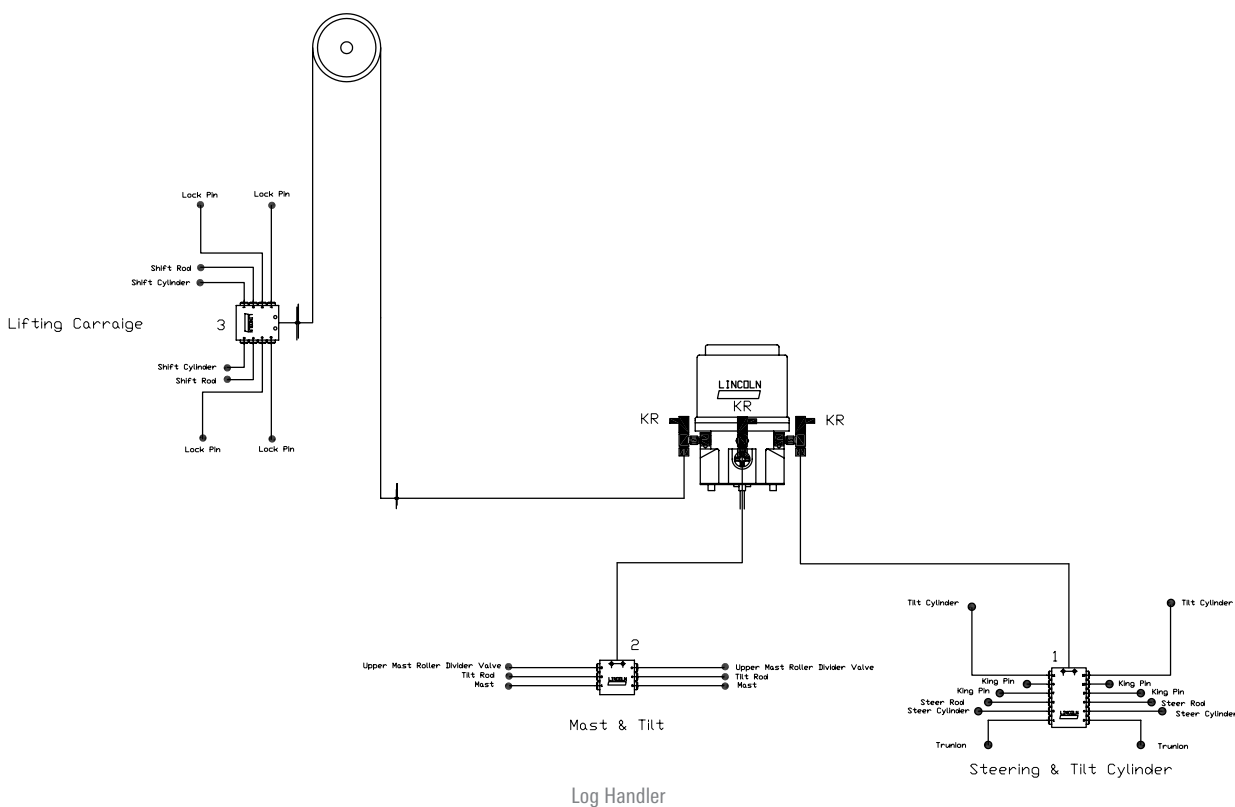
**Less wastage;** it also works under a principal of less lubrication volume but higher frequency, so rather than pumping once in the morning like most operators would when the machine is cold. The pump will cycle a number of times throughout the day using a precise cc delivery of grease.

**Controlling the dosage;** the parts on the machine require different volumes depending on the amount of work they and movement they do throughout the day. Reducing the grease consumption by delivering exact amount required for each pin and bushing.





The diversity of a lubrication system means that it can be designed across a wide format of machines and vehicles. With a change of pump capacity or metering device, the system can be created to suit your needs. Options are available to monitor the systems cycling times and output sensors if required. These are used when the pump is located in an area that the operator cannot easily see.



## Fire Suppression

Due to often heavy demands placed on equipment performance, a significant consideration of this risk for any operation today is the ever-present risk of fire. The Muster<sup>™</sup> Fire Suppression system is an intelligent system that suppresses the fire.

- Standards approved and field tested
- Fully monitored system 24/7
- A range of sensing and discharge medium options



## Fuel and Fluid Management

The reliable and accurate control of liquids is imperative to many companies. With the transfer and consumption of liquids; refilling and measuring become an important factor for cost control and efficiency.

- Oval gear and turbine, non-intrusive ultrasonic and magnetic meters
- Dry brake fluid transfer systems
- Fuel pumps and dispensing nozzles



## Fluid Transfer Pumps

Material dispensing range will assist in the bulk handling and transfer liquids. Applications that range from the transfer of light fluids such as oils through to very heavy-viscosity materials.

- Heavy duty high volume transfer pumps
- Diaphragm pumps
- Control and dispensing valves



## Hand Held Tools

Non-engineered products are product offerings that are boxed items that require no additional engineering skills or design to be used in their application. These are items complement an engineered system offering.

- Manual and battery powered grease guns
- Fluid containers and anticontamination systems
- Automotive products from the Mityvac range

