

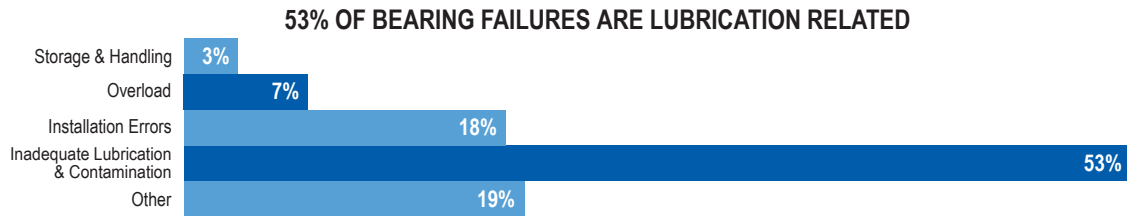
## AUTOMATIC LUBE SYSTEMS

- ✓ Reduce Unplanned Downtime
- ✓ Increase Life of Components
- ✓ Lower Operating Costs
- ✓ Use Your Standard In-Shop Grease
- ✓ Systems Installed at Your Location



## INCREASE RETURNS ON YOUR EQUIPMENT INVESTMENT

Bearing failure resulting from improper lubrication is a major cause of equipment downtime and significant unnecessary maintenance costs in today's environment. The majority of failures are caused by: contamination of bushings by dust, dirt and moisture; inadequate amounts of lubricant applied to bearings; or over-lubrication of key pivot points.



Direct costs resulting from inadequate lubrication can include: replacement bearings; labor to repair or replace bearings; lost time and its impact on productivity. Indirect, but very real costs include: wasted lube, environmental issues, safety or housekeeping issues, and higher labour costs related to inefficient manual lubrication practices.

## FLO AUTOMATIC LUBRICATION SYSTEMS

Designed for extreme weather conditions and severe job requirements often faced in Canada, the completely reliable and fully automatic FLO Lubrication System will increase your component life and overall productivity. The system dispenses small measured amounts of lubricant at frequent intervals while your equipment is operating, maintaining a consistent lubricant seal to prevent dirt and contaminants from migrating into bearings. It will help keep your equipment out on the job and reduce your labor costs when compared to the traditional method of point-by-point manual lubrication.

**Increases life of critical wear points** = Protects your investment

**Less unplanned downtime** = Increases profits

**Fewer repairs & replacement parts to stock** = Lowers operating cost

**Reduces operator involvement** = Keeps them focused on their primary job

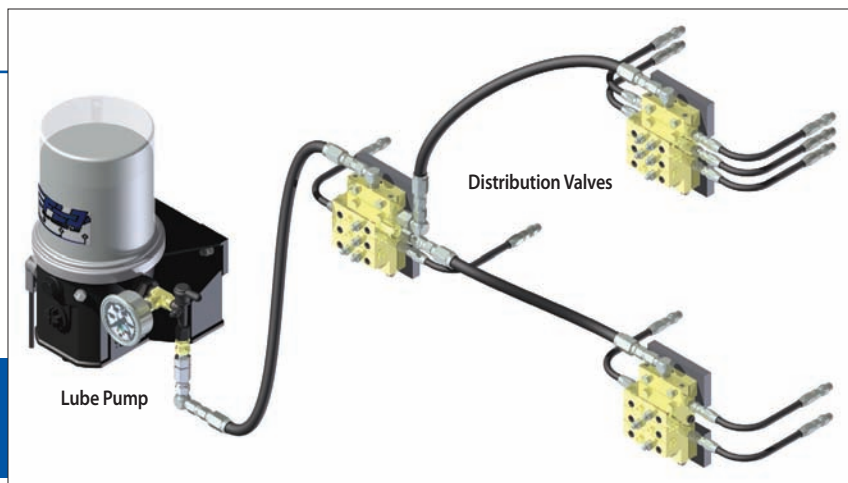
**Improves safety** = No climbing over and under equipment to lubricate

**Increases resale value of equipment**

**Uses your standard NLGI #2 in-shop grease** = No inventory of higher-cost grease

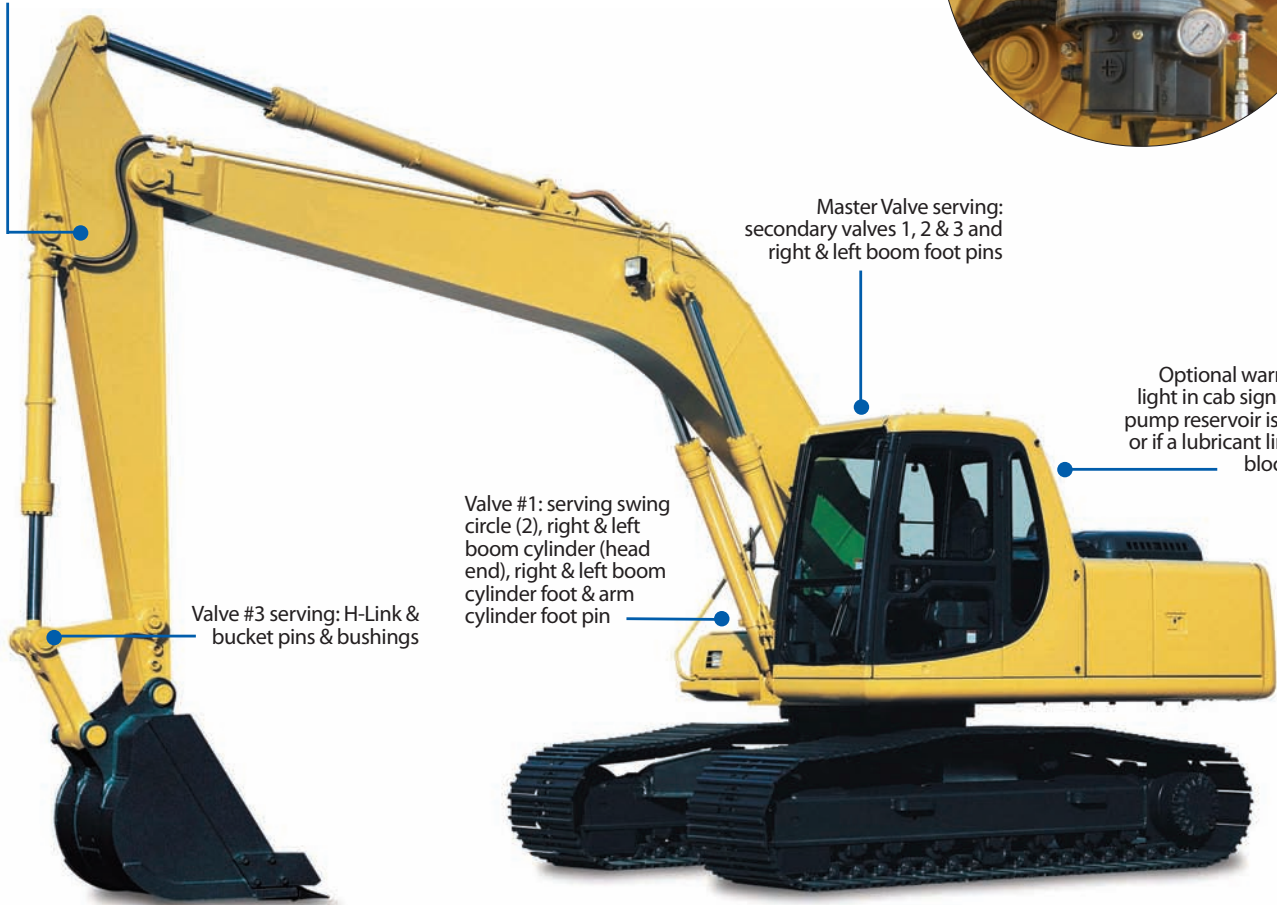
## TYPICAL SYSTEM LAYOUT

FLO's installed Lubrication System consists of a 12/24 VDC Series 203 pump, UV positive displacement grease metering valves, fittings, tubing, hose and custom guarding. Pumps include an integrated adjustable timer for easy installation, trouble-free operation and maximum flexibility. Reservoirs range from 5 - 15 lbs. Our systems service steering cylinders, center articulation, oscillating axles, lift cylinders, boom anchors, bucket joints, transmission hanger bearings, suspension cylinder, dump box pivots, drill mast bearings, hammer surfaces, "H" links on excavators, and more. The FLO lubrication system is suitable for most off-the-shelf North American greases currently in your shop. It will handle lubricants up to an NLGI #2 rating to -25°C or -13°F.





Valve #2: serving bucket cylinder foot pin, arm link pin, arm cylinder (rod end), boom arm pin & arm bucket pin



Master Valve serving: secondary valves 1, 2 & 3 and right & left boom foot pins

Optional warning light in cab signals if pump reservoir is low or if a lubricant line is blocked

Valve #1: serving swing circle (2), right & left boom cylinder (head end), right & left boom cylinder foot & arm cylinder foot pin

Valve #3 serving: H-Link & bucket pins & bushings



**Automatic Hammer Lube Pump**

This unique Automatic Hammer Lube Pump protects your critical Breakers / Hammers. The pump attaches directly to the hammer, gripper or crusher and is connected to the hydraulic power supply of the carrier. Your operator, with the push of a pedal, automatically sends a single shot of grease to lubricate the bearing points. When the operator's foot comes off the pedal and hydraulic fluid pressure is removed from the hammer, the drop in pressure releases the spring in the pump and recharges it so it is ready to lubricate again the next time the device is activated. Installed directly on the hammer, the pump travels with your hammer, not your machine.

## THE FLO DIFFERENCE

FLO Components Ltd. is a lubrication systems specialist and the leading supplier of "Total Lube Solutions" to major manufacturers in Ontario. Established in 1977, and based in Mississauga, ON, FLO uses application expertise, qualified installation & service technicians combined with high-quality products to provide cost effective Solutions for all types of lubrication & fluid handling applications. We design, assemble and install the highest quality systems for transportation, construction and municipal equipment users using components from industry leaders such as Lincoln, SKF, Fairview, CoreLube, Petro-Canada and other world class manufacturers.

### *FLO Components Solutions include:*

- Systems Design
- Auto Lube Systems
- Hammer Lube Systems
- Lube Dispensing Systems
- General Lube Equipment
- Specialty Lubricants
- Trouble-shooting



- Lubrication Audits
- On-Site Installation
- Complete On-Site Personnel Training
- Scheduled On-Site Maintenance Programs
- Factory Authorized Warranty & Service Facility
- On-site & In-house Service

## THE FLO EFFECT

**Experience** - We have helped industry leaders improve productivity and reduce operating costs with "peace of mind" Solutions for over 35 years.

**Flexibility** - We meet the requirements of your most demanding applications with the largest range of products and services in your local area.

**Fast Response** - Guaranteed within 24 hours.

**Expertise** - All our technicians have a skilled trade ticket, are participating in an apprenticeship program or have applicable industry experience. We service products from Lincoln, SKF, Mityvac, CoreLube Equipment and Graco, as well as most other major lubrication equipment manufacturers' brands.

**Convenience** - Our industry exclusive Mobile Workshops and our ability to create your solution "on site" frees up your resources to focus on your core business.

**Trust** - 90% of our business comes from customers who have relied on us for over 10 years.



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*For Total Lube Solutions,*  
**GO WITH THE FLO!**

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