The best solution to reduce maintenance cost

ALLFETT®

LUBRICATION SYSTEMS

Daily lubrication, a vital practice for your wearing surfaces

A regular lubrication maintains a film of grease which prevents contamination of your surfaces in sealing inter space around each of them. This collar keeps away the dust, sand and water to filter through and create an abrasive surface and prevents premature wear.

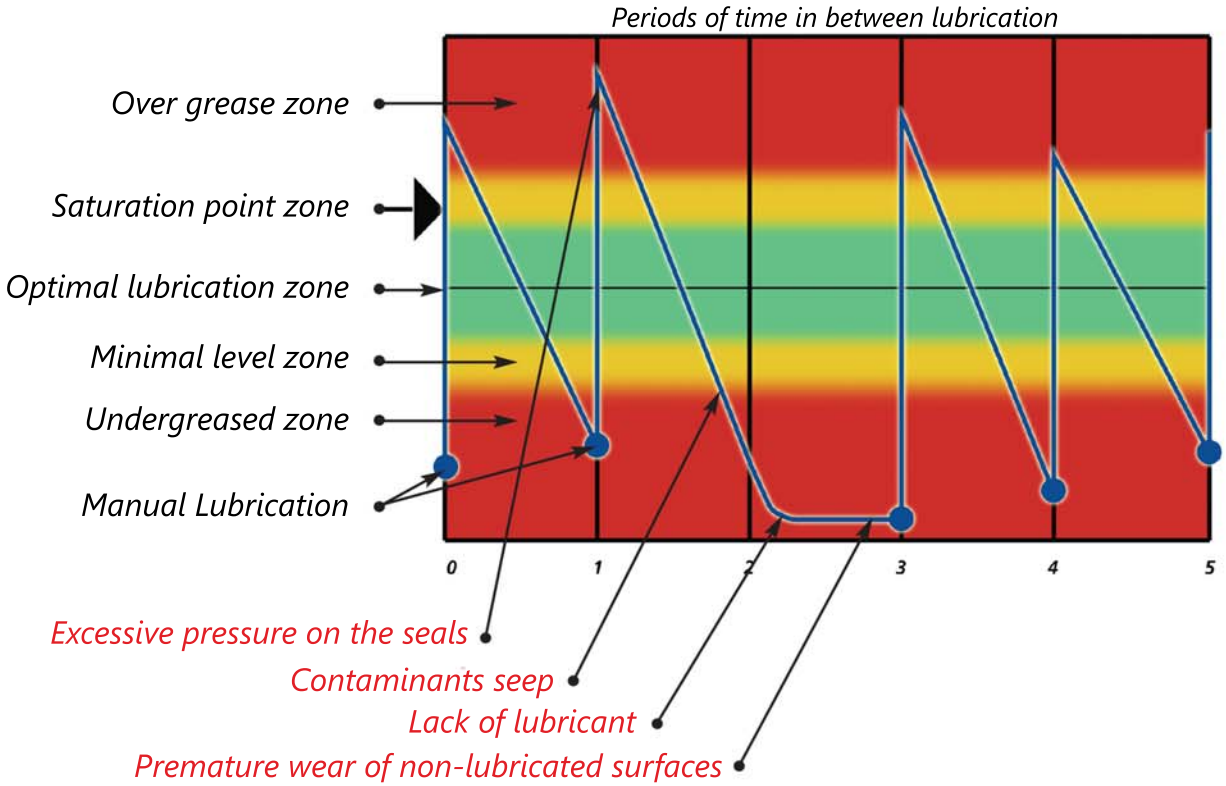
The obstacles of manual lubrication

- Climatic conditions.
- Production demands.
- Consistency and reliability of the operator to lubricate.
- Service truck planning (logistic).
- Location of the machinery.
- The operator's security (slippery machine, inaccessible points).
- Machinery stopping frequently.
- Certain parts (articulation, attachments, etc.) requiring multiple daily lubrication.

The cost of bad lubrication

- Wasted lubricant.
- Contaminated wearing surfaces causing wear and tear.
- Productivity loss.
- Cost surplus in parts.

Diagram of a typical manual lubrication



Why automatic centralized lubrication?

Automatic lubrication insures a continuous lubrication at regular intervals on the greasing points and the special points which are difficult too access. It works while the machines is working along when all points are in movement. A good lubrication is essential for preventative maintenance of your equipment.

The advantages of automatic lubrication

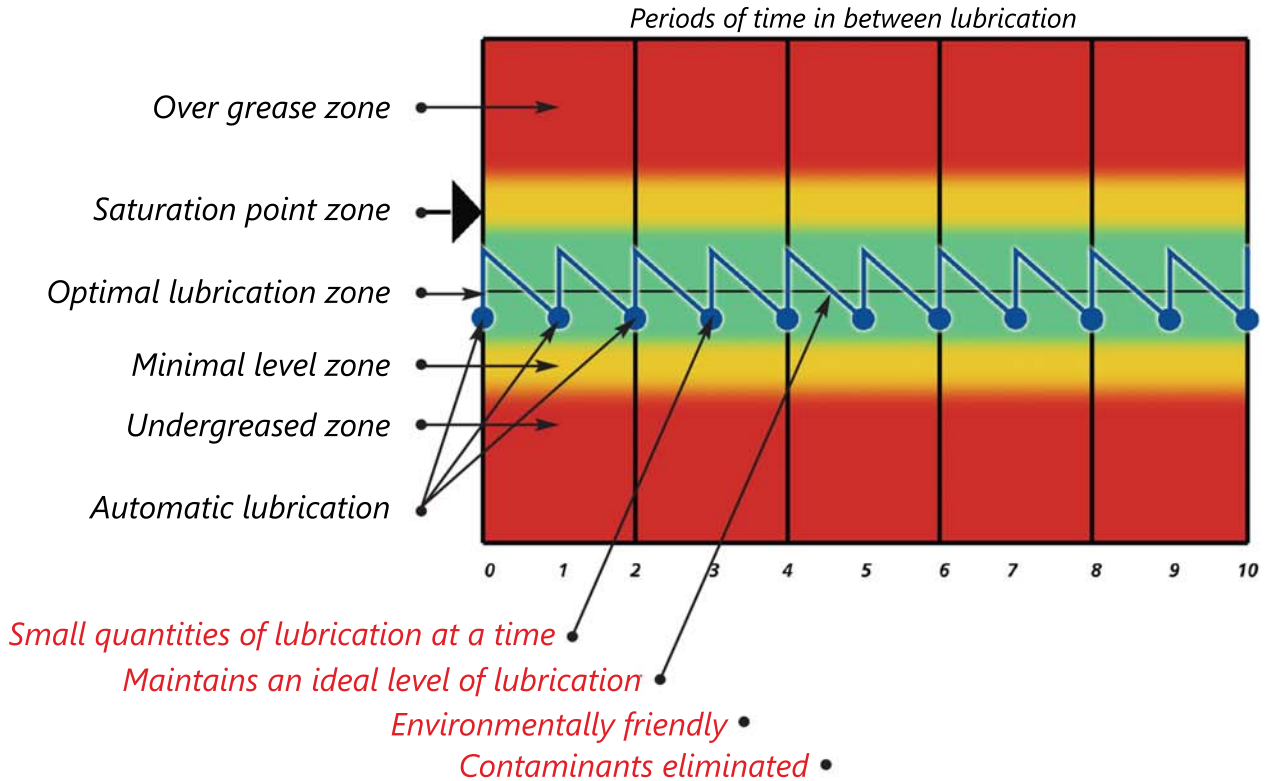
- Permits to save significantly on grease up to 50% compared to manual lubrication. (Contributes to protecting the environment).
- Regularly sends the quantity of lubricant required for each point in dynamic, not static, unlike manual lubrication.
- Maximized performance in eliminating lost of time due to shutdown for maintenance or repair.
- Allow significant reductions in maintenance costs.
- Insures a complete lubrication of the machine whatever the weather.
- Increases the life span of the parts linked to the system compared to a manual lubrication.
- Increases the resale value of the equipment.

ALLFETT *systems keeps an eye on your investment!*

It is certain that the **ALLFETT** automatic lubrication system will save you time and money when used as recommended:

- Repairs and maintenance of the system must be done regularly.
- Keep dust and contaminations away from the reservoir.
- Choosing the right lubricant according to our recommendations and according to the season.

Diagram of the automatic lubrication

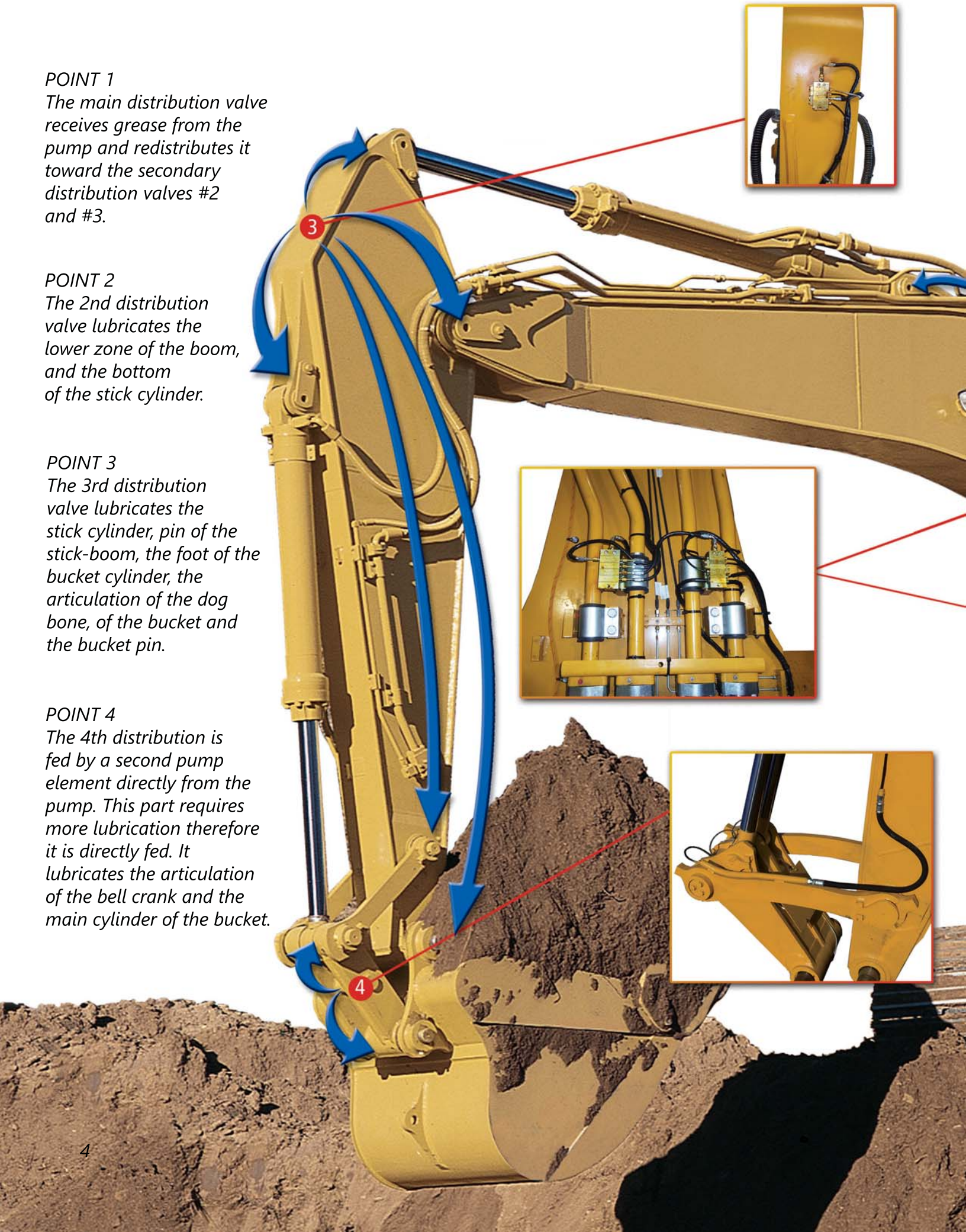


POINT 1
The main distribution valve receives grease from the pump and redistributes it toward the secondary distribution valves #2 and #3.

POINT 2
The 2nd distribution valve lubricates the lower zone of the boom, and the bottom of the stick cylinder.

POINT 3
The 3rd distribution valve lubricates the stick cylinder, pin of the stick-boom, the foot of the bucket cylinder, the articulation of the dog bone, of the bucket and the bucket pin.

POINT 4
The 4th distribution is fed by a second pump element directly from the pump. This part requires more lubrication therefore it is directly fed. It lubricates the articulation of the bell crank and the main cylinder of the bucket.



Advantageous characteristics

- The bell crank is lubricated automatically, no premature usage.
- Pump located in the compartment where the motor is located sheltered from the weather and contaminants.
- Hoses mounted on the operator's side so they are visible at all time.
- Control card installed inside of the cabin, preventing condensation or water infiltration.

EK-9 CONTROL CARD
Locked and installed in the cabin.
With LCD Screen.

ALL-10 PUMP
24 volt pump sheltered from the weather and contaminants.

POINT 1
The main distribution valve receives the grease from the pump and redistributes towards the secondary distribution valve #2, 3 and 4. The pin bucket and the end of the dog bone on the bucket are lubricated by this particular distribution valve to fill a bigger demand in lubrication.

POINT 2
Distribution valve #2 lubricates the back part of the machine either the foot of the boom, the feet of the steering cylinders and the top of the central pivot.

POINT 3
Distribution #3 lubricates the front center of the machine, either foot of the boom, the foot of the stick cylinders and the "Z- bar" cylinder foot.

POINT 4
Distribution valve #4 lubricates the front of the machine, the ''Z-bar" and the hands of the stick cylinders.

A careful installation

- Pump installed in an accessible place for easy maintenance and filling.
- Hoses placed in critical areas are protected by shielding.
- **ALLFETT** valves are calibrated to insure a perfect lubrication for all the points.
- The valve and hoses are installed and protected against all forms of deterioration. The assembly areas and the awelded studs respect the technical specs of the manufacturer.

ALLFETT
LUBRICATION SYSTEMS

The **ALLFETT** progressive lubrication system offers a maximal performance and flexibility.
It is a versatile system thus very easily personalized.
There modular system and the multiple choices of pumps offer a variety of configurations which adapt to all applications.

Technical specifications

Pump

- Power source: 12VDC, 24VDC,
  (*VAC Motor available upon request)*
- Maximum pressure: 300 bars
- Protection class: IP54
- Recommended lubricant: Lithium Grease NLGI 0-1-2
- Pump element: 1 to 6
- Pump element capacity: 2.5 – 3 cm^3/min.
- Working temperature: -25°C to +80°C.
- Reservoir capacity (litre): 3.3, 6 and 14

Control Card

- Voltage: 10-30V
- Monitored control: Timer
- Language: English or French

Distribution valves

- Material: Galvanized steel
- Dosage available : 0.050cc, 0.078cc, 0.113cc, 0.221cc

Different applications

We offers personalized solutions to all industrial sectors.
Our solutions would simply allow you to maintain your equipment to an optimal, efficient and reliable state.









INDUSTRIAL PROGRESSIVE SYSTEM

These systems are principally used in plants on big industrial machinery given their large size and amount of grease required. It is capable of feeding an entire work station with the pump being distant along with being able to maintain the required operating pressure.

Technical specifications

- Power source: 220VAC, 440VAC *(DC Motor available upon request)*
- Maximum pressure: 600 bars
- Protection class: IP54
- Recommended lubricant: Lithium Grease NLGI 0-1-2
- Pump element: 1 to 20
- Pump element capacity: 5 - 6 - 7 cm^3 /min.
- Working temperature: -25°C to +80°C.
- Reservoir capacity (litre): 6, 14, 25, 50

Contact your distributor for more details!

Industrial lubrication system

Our research and development team evaluates each project individually and proposes custom solutions. Each industrial equipment requires a customized calibration.

ALLFETT®

LUBRICATION SYSTEMS

SALES | INSTALLATION | SERVICE

Authorized supplier:

Alltech Group

P.O. Box 144, Vaudreuil-Dorion, J7V 5W1
1 (855) 730-5555
info@groupealltech.com

www.groupealltech.com