



Centralized Lubrication for Commercial Vehicles

Drive Productivity – Experience Performance



Increase the efficiency of your commercial vehicles. Proper lubrication saves valuable time and makes maintenance routines simple.

Quicklub® Progressive System

Economical and Reliable

For Lubricants up to NLGI Class 2

Quicklub® systems have been designed to meet the toughest requirements of commercial vehicles, construction machinery and mining equipment lubrication. Their operation is based on the reliable progressive principle in which the grease is dispensed by a piston pump via progressive plunger metering devices, without volume losses, to the lubrication point. The lubrication occurs in metered, timed intervals at a maximum pressure of 350 bar. Thus the lubrication of bearings with high back-pressures is also guaranteed. The pump can serve up to three independent circuits, each with its own pump element, consisting of numerous lubrication points with lubricant. Should the question grease or fluid grease arise, no problem with the Quicklub® system. The high-quality progressive system is designed for all lubricants that range from NLGI 2 downwards.

The system is easy to monitor and ensures that the right quantity of grease is supplied to the lubrication points.

Quicklub® System Benefits

- No corrosion of the light-weight pump housing which is made of heavy-duty, fiberreinforced resin
- Vibration tested with grease filled reservoir: $\pm 10g$ at a frequency of up to 30 Hz
- The pump motor is protected against damage and moisture
- The fully-automatic, intermittent control of operation ensures an even distribution of lubricant
- Electronic controls conform to EMC (electromagnetic compatibility) regulations according to EN 40839, Parts 1, 3 and 4, as well as the EMC-guideline 89/336/ EWG and the commercial

vehicle guideline 95/54/EC

- Installation can be performed with threaded or Quicklinc™ plug-in type fittings
- The high-precision progressive metering device allows pressure differences of 100 bar
- The progressive metering device in block-form eliminates leaks



- Multiple outlets of the progressive metering device can easily be internally combined without the need of external connectors

Quicklub® 203 Pump Versions

- Integrated display with touch pad and **QuickData data logger** function for the storage of important information such as operating time, faults or blockages, low level and additional lubrication impulses



- Patented printed **circuit boards** for the optimum control of lubrication also for trailers



Filling of Quicklub pumps: Fast and easy

- **Microprocessor control** with function monitoring of the system
- **ADR-versions** for the transport of hazardous material
- **2, 4, and 8-liter reservoir** (Optional with filling from the top and a lockable lid). A special 2 Liter flat version is perfect for very low installation areas because it's only 244 mm high!
- 4 different pump elements with fixed or **variable output**
- Over-pressure valve equipped with an indicator and **reservoir return**

QLS 301 Power Packet

Three in One: Compact - Sturdy - Multi-tasking

The QLS 301 is a complete system. It comes pre-assembled with everything a system needs: all kit components and a built-in over-pressure valve. No system assembly is necessary as is usually required with common lubrication systems. Lubrication points can be supplied with NLGI 2 grease, fluid grease or oil (QLS 311) directly from the pump at an affordable price. The long list of standard features is a remarkable characteristic of the QLS 301 pump.

Ideal for:

- Trucks and busses with few lubrication points
- Trailers (QLS 321)
- Vehicle bodies and loading cranes



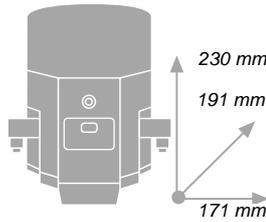
It's compact

The QLS 301 is not only a pump. It contains a control and monitoring unit and a divider block as well. QLS 301 has all the components and all the functions needed to lubricate at a professional level. The compact design makes it easy to find an installation location even in the most unthinkable places.



It's sturdy

The QLS 301 may be small, but its performance is powerful. It can handle temperatures ranging from -25°C to +70°C, variable mounting positions and high pressure wash-downs (IP6K9K, NEMA 4 protection).



It's Multi-tasking

The QLS 301 features multitasking. An integrated circuit board optimally controls pause and operating times, monitors the function to ensure lubricant is fed, and allows additional lubrication cycles to be initiated. Settings are always at your fingertips - all settings are performed with ease via keypad. Settings and messages are shown on the built-in display window.



Standard Features:

- Complete, compact system ready to use "out of the box"
- Variable mounting position
- Integrated circuit board with system function monitoring
- Integrated display and keypad
- Standard low level control
- Built-in over-pressure valve
- Internal lubricant return possibility
- Available with or without attached divider block (up to 18 outlets)
- QLS 321 trailer version with special controller



Automated Lubrication

The Path to Cost Reduction

A lack of lubrication is like leaving money on the road. The increased cost of lubricants and maintenance duties, coupled with a higher vehicle value, drives the need for automatic, centralized lubrication systems. Similar to today's need for multi-grade, finely-filtered lubricants for engines – bearings, pins and friction points require a modern approach to lubrication. No vehicle owner would contemplate running the engine without oil, yet many bearings and pins are operated without sufficient lubrication.

Harsh conditions such as water, dirt, dust and mechanical loads cumulatively result in a high wear rate of bearings, pins and swivels.



Fleet and Service Manager at Edeka in Heddesheim chooses only automated lubrication



Lubrication is therefore absolutely necessary in order to provide the right protection. Lincoln Industrial lubrication systems are a reliable means of regular lubrication.

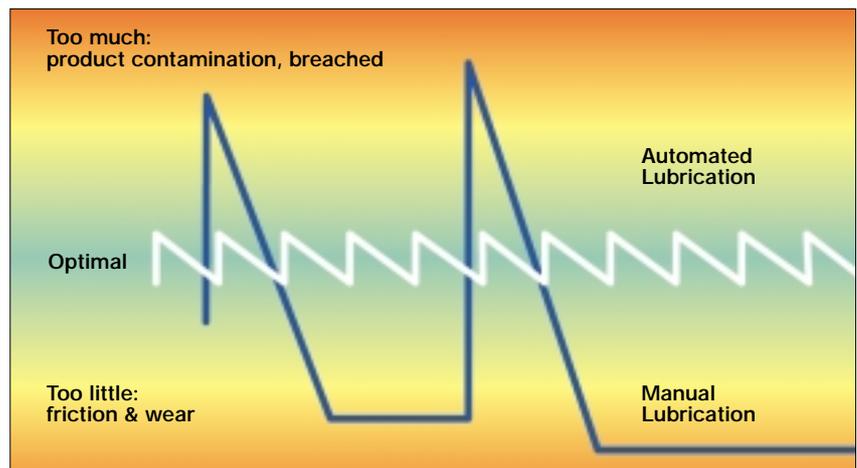
While the vehicle or machine is in motion, the lubricant is automatically delivered in time-controlled and metered quantities to all connected points in the system. Lubrication "in motion" ensures that the lubricant is optimally and evenly distributed within the bearing, thus reducing friction and premature wear. This is the ultimate form of lubrication applied in a systematic manner.

Large Savings = Fast Payback

The installation of a centralized lubrication system drastically reduces repair and maintenance costs. In addition, lubricant consumption is cut and the life span of wear components is increased.

This automatically reduces downtime and operation costs.

Automated vs. manual lubrication



- Increased profits and productivity
- Lower costs for repairs, spare parts and lubricant
- Improved operating times; less costly downtime
- Longer maintenance intervals
- Dramatic reduction in lubrication-related bearing failures
- Significant contributions to safety and the environment



Quicklinc™ & Zerk-Lock™

Make Connecting Fast



Don't screw it – push it! Installing lubrication systems can take a lot of time, especially when there's not much space to work with. Those problems are a thing of the past with Quicklinc™ "push-in" fittings and Zerk-Lock™ connectors and adapters. Great for hard-to-reach places, Quicklinc™ and Zerk-Lock™ cut the time it takes to install line connections in half – or more – when compared to screw-type connectors, which require the assembly of four components.

Quicklinc™ fittings from Lincoln Industrial are designed for high pressure, withstanding up to 350 bar. They are used in progressive systems from the pump to the main metering device and from the main to secondary metering devices or lube points. Our Systems use Quicklinc™ metering device outlet fittings that are standard equipped with check valves.

The Quicklinc™ tube splicer union is a great way to fix a broken line without replacing the whole line. Just clean the line ends, plug them into the connector and the line's repaired.

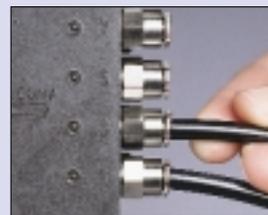
We offer Quicklinc™ fittings in bulk packaging providing you with a further price advantage. In addition to Quicklinc™ fittings, Lincoln Industrial offers especially wear-resistant high pressure plastic hose pre-filled with grease. This saves you valuable time during the installation because lines no longer need to be filled and primed.

Zerk-Lock™ is another great time-saving connector. When removing a fitting is not practical, the Zerk-Lock™ grease fitting adapter is the answer. It connects the male tube adapter directly to a grease fitting. Even when a fitting is self-tapered or pressed in, there's no need to drill it out and tap new threads with Zerk-Lock – a tremendous time saving.

Features:

- Installation
 - easy (less parts)
 - fast (saves money)
 - safe (no leakage or installation errors)
- Requires less space
- Vibration-proof
- Available in cost-effective bulk packaging

Quicklinc™ und Zerk-Lock™ are designed to work well together. It's as simple as:



1. Install a Quicklinc™ into the diverter valve and insert the line



2. Place a Zerk-Lock™ onto the fitting



3. Seal and tighten Zerk-Lock™ using a hammer and staking tool



4. Then tread a Quicklinc™ completely into the Zerk-Lock™



5. And plug the tube into the Quicklinc™ adapter

BDS Bearing Dosage System

The Answer to Low-maintenance Bearings

Trouble-free

All lubrication points are connected to one or more lubricant metering devices and are centrally supplied with grease by a manual grease gun, a Lincoln Power-Luber or a pneumatic grease pump. Lube points which are normally difficult to access can now be serviced quickly and efficiently – guaranteeing the right quantity of lubrication for every point.



Flexible

Depending on the environmental conditions, you can choose the proper lubrication interval without a tedious procedure. Frequent lubrication forms a grease collar protection that prevents water and dirt from penetrating the bearing, preventing premature wear.

Retrofit

Peak performance resulting from professional lubrication is now available at an affordable price. BDS is easy to retrofit. High-pressure Quicklinc™ plug-in fittings assure an easy and quick installation. Due to its modular design, the BDS can be expanded or retrofitted with an automatic Quickclub® pump at any time.

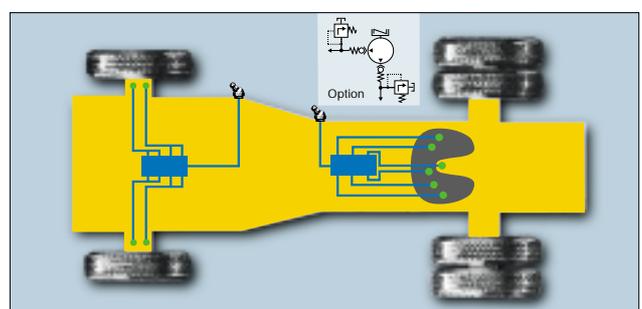
BDS is also great for fifth-wheel applications. One great advantage - the trailer no longer has to be unhitched to grease the fifth wheel.

„Not for the Pits“

BDS means you no longer have to go down into the pit to lubricate hard to reach points.

Applications:

- Truck & busses
- Trailers
- Truck bodies
- Lifting tailgates



PowerLuber

The 12 Volt Cordless Grease Gun

Convenient, powerful, reliable and economical – The high-pressure cordless PowerLuber grease gun is easy-to-use and provides unrestricted mobility.

The LINCOLN PowerLuber provides the professional solution for the greasing of individual lubrication points.

With just a simple pull of its trigger, the PowerLuber offers a continuous supply of grease.



A powerful 12 volt motor and a precision-machined hardened piston, make the PowerLuber an efficient and rugged grease gun.

The high-capacity 12 volt NiCd battery offers ample "Power" that provides long-lasting performance (duration depends on the operating pressure). Once the battery is empty – no problem with the 1-hour 230 volt quick charger.

The PowerLuber uses standard 400 g cartridges or it can be filled with grease directly from a drum.

Features:

- Ergonomically designed and light-weight (only ~3.4 kg incl. battery)
- Rugged and dependable unit for professional and fast use.
- Powerful 12 volt motor for high pressure delivery up to 413 bar (pressure relief valve)
- High-capacity 12 volt battery for extended operation
- Built-in check valve

Specifications:

- 12 volt NiCd battery power supply
- 1300 mAh battery power
- Approximately 76 cm³/min delivery (at 69 bar)
- 413 bar maximum working pressure
- 400 g capacity reservoir – for standard cartridges or simple bulk-filling.

Model 1242-E

Consists of:

- PowerLuber grease gun with 1 x Nr. 1201 12 volt NiCd battery and a 760 mm (30') flexible hose with hydraulic coupler.
- 230 volt, 50 Hz quick charger
- Practical carrying case, designed to hold two grease cartridges.

Accessories (optional)

- Model 1201 (spare) battery

Other accessories available on request.



Grease or Fluid Grease?

The Advantages Speak for Grease Lubrication

Grease Seals

Lubrication systems that use NLGI class 2 grease form an elastic grease collar that protects the bearing and prevents the penetration of moisture and contamination. The grease collar does not drip under increased temperatures and it resists water, so that water spray does not reduce its ability to protect. Fluid grease on the other hand, does not have this sealing effect. Additionally, motion and vibration accelerates the expulsion of fluid grease from within the bearing.

Grease is Environmentally-Friendly

Due to the high consistency of grease, the lubricant film in the bearing is preserved for a long time. This reduces overall consumption, which in turn is beneficial to

the environment and saves money. The bearing receives only the required amount of grease to maintain optimum lubrication conditions. Experience shows that fluid grease systems use as much as three times more lubricant.

Grease Lubrication is Cleaner

In the hot summer, fluid grease systems tend to drip lubricant making a mess of the vehicle. Dirt and dust make this problem even worse. Cleanliness is of special importance for trucks that are used in the food & beverage industry.



Not only is the truck dirty, but also the parking lot and loading ramps become contaminated with dripping fluid grease. Appearance aside, safety (danger of slipping) and environmental issues are even more important. For these reasons, many truck fleets insist on the clean grease lubrication solution.

Grease can Take the Load

Grease ensures a problem-free lubrication of bearings that are subjected to high loads. The load-bearing capacity of grease is much greater than that of fluid grease.

This is especially important in preventing premature wear. Bearings with high loads are found for example on loading cranes, hoists, tippers and special truck bodies.

Fifth wheel lubrication can only be performed with grease. Trucks equipped with a fluid grease system, require that the trailer be detached in order to manually grease the fifth wheel. This time-consuming and filthy task is eliminated with a grease lubrication system.

Grease lubrication wins point after point!

