

OCTOLUBERRTM

MOTORISED LUBRICATION SYSTEM



THE ULTIMATE LUBE MACHINE

Simple Reliable Optimum

INTRODUCTION

OPTIMUM LUBRICATION FOR BEST PROTECTION.....

A quality lubricant is important to ensure the maximum availability of the machine or vehicle. You can prevent a great amount of wear and tears and unwanted breakdowns by regularly lubricating the right amount of lubricant (grease).

Proper lubrication will prevent repair cost and unnecessary breakdowns. Even though this is done manually it will cost a lot of money any machinery downtime and importantly waste of human energy...

Abrasive and corrosive elements like sand, water, mud, earth minerals, chips and burrs and grits severely damage the operational life of the expensive bearings and linkages. Component failure could be disastrous in a continuous production cycle.



The answer for the above is OCTOLUBERR AUTOMATIC LUBRICATION SYSTEM

With OCTOLUBERR automatic lubrication system you can be rest assured that under all operating conditions the right amount of grease will be delivered to the required bearing at the right time intervals, so that the machine or vehicle always have the maximum utilization without downtime and breakdowns.

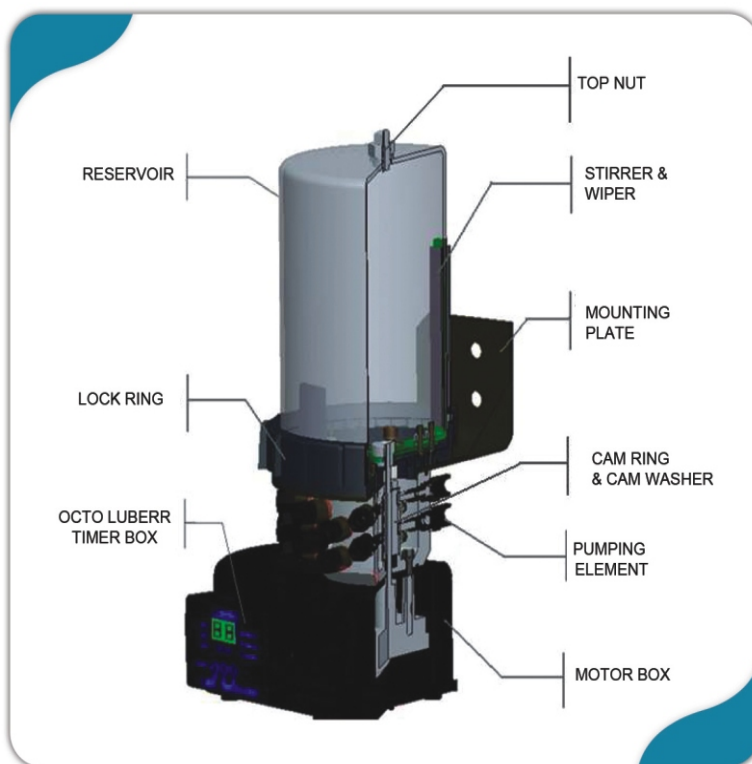


CONSTRUCTION OF OCTOLUBERR

OCTOLUBERR is specifically designed for the on road and off road heavy vehicles, wind mills, special purpose machines . Its power and rugged construction gives you the reassurance that unlike manual lubrication no vital bearings will be missed. And this is because the OCTOLUBERR ensures right amount of grease at right intervals .

OCTOLUBERR is a DC operated piston pump with multi pumping element. It runs from a camshaft connected to a motor. It can be fitting with up to 32 pumping elements which are available in 4 different outputs.

The main body of the pump is made from high performance robust material and is compact in size designed to withstand tough environments.



The grease version of the OCTOLUBERR includes a stirrer device with a reservoir wiper that help to eliminate air present in the grease and facilitate pumping even at lower temperatures.

The DC geared motor drive arrangement can be controlled through the built in control system. The octoluberr runs primarily on the time based controller.

OCTOLUBERR has been designed with a configurable wiring and connector system.



GENERAL OPERATIONAL INFORMATION

The OCTOLUBERR systems are designed to provide oil or grease for lube points on industrial and mobile equipment.

Octoluberr considerably reduce the cost of maintaining machinery on which they are installed due to better operating conditions as a result of proper lubrication. Octoluberr eliminate machinery downtime caused by poor lubrication as well as prolonging the life of the machinery in general.

Additionally, a centralized lubrication system allows to lubricate inaccessible lubrication points at frequent intervals that would otherwise be hard to access under normal conditions. The diagram shows a typical schematic of a simple centralized lubrication system.



The main components are:

A – Electric pump with Reservoir

B – Lube Timer

C – Secondary tubing that delivers grease to the lube point.

When the pump is activated, it pumps grease into the pumping chamber. Then, the pumping elements which are radially located on the pumping chamber distributes the lubricant in a volumetric form into a number of secondary lines. These secondary lines are then piped to the lubrication point directly. The configuration of the pumping element is selected as per the bearing requirement.

OCTOLUBERR has been designed to provide the pumping solution for such systems used in industrial and mobile applications for greases up to NLGI 2 consistency and oils with minimum 46cSt.

The pump should be therefore limited to this purpose. The user should be aware that certain lubricants can cause problem to pump and therefore care must be taken to select a suitable lubricant that falls within the above range.



OCTOLUBERR SPECIFICATIONS

GENERAL TECHNICAL CHARACTERISTICS

Operating Voltage	12V DC	24V DC
Current (nominal)	1.5A	0.8A
Current (peak)	3.0A	2.5A
Number of outlets / pumping elements	Max upto 32nos	
Maximum Working pressure	150 bar (2100 psi)	
Reservoir Capacity	3 kgs	
Max Grease capability	NLGI 2	
Min. oil viscosity	46cSt	
Operating temperature	-25°C to +80°C	
Humidity	90%	
Noise	< 70db (A)	

CONTROL UNIT CHARACTERISTICS

Operating Voltage	12VDC $\pm 20\%$ 24VDC $\pm 20\%$
Maximum Output load capability	3A
Short circuit & Overload protection	4A typical / 10A max.
Hardware protection	<ul style="list-style-type: none"> • Overload protection on motor and lamp • Spike voltage protection • Inverted Polarity protection
Memory Life	Unlimited (no battery requirement)



LUBERR PUMPING UNIT

PUMPING UNIT OUTPUT	MODEL NO	Output in CC / Stroke
	OLPU01	0.01
	OLPU02	0.02
	OLPU05	0.05
	OLPU08	0.08
Outlet thread	M10 x1p (F)	
Maximum Working pressure	150 bar (2100 psi)	



BENEFITS OF OCTOLUBERR

Automatic greasing is very important for machines and vehicles to continue to perform reliably even under severe operating conditions.

LESS WEAR...

Grease reduces the wear of the moving parts and provides an efficient barrier against the dust, dirt and corrosion.

GREASING DURING OPERATION...

As compared to manual lubrication, In a OCTO LUBERR system small qty of periodic lubrication happens even during the equipment is in operation.

LOWER COSTS...

Luberr provides the required qty of grease at required interval resulting in huge savings of over - greasing done due to manual greasing.

LOWER MAINTANACE COST...

Reduced wear and tear provides longer life of the bushes which directly brings down the maintenance cost.

INCREASED PRODUCTIVITY...

Use of luberr results in fewer repairs and extends maintenance intervals which improves and increases productivity.



New bush condition



Worn out bush condition

LUBERR KEEPS YOUR EQUIPMENT AT MAXIMUM UTILISATION



LUBERRTM

AUTOMATIC LUBRICATION SYSTEM