



TEXAS OIL GROUP



## Lubecore Lubrication Systems Drilling Rigs



**lubecore™**

NEXT GENERATION  
AUTOMATED LUBRICATION



(above left) The LUBECORE system is flexible to facilitate multiple lube points depending on the application requirements. Has the capability of automatic re-lubrication of multiple bearings located on the crown of a drilling rig 150' up all from the drill floor. Utilizing the LUBECORE system all bearings receive controlled, uncontaminated lubrication on a consistent basis. Most units are mounted directly on the crown.

(below left) The LUBECORE system can be housed in conveniently mountable enclosures. The door has a high impact window that has a door seal that keeps the unit dry during scheduled cleaning operations on drilling rigs. The fill inlet port is routed to the outside of the enclosure so maintenance personnel can fill the large reservoir without having to open the door. Also offered with 4 kg or 6 Kg reservoirs.

(below right) The LUBECORE system can be fitted with an easy to adjust timer as well as a voltage converter housed inside the enclosure in order to convert available power source if the required 24 VDC is not already offered at the drilling rig. The converter will accept 120 VAC or 240 VAC and convert the available power to 24 VDC.



## Trouble-free operation with automatic lubrication systems from **LUBECORE**

Oilfield profitability is directly related to equipment reliability. One of the main requirements for reliable operation is frequent greasing to prevent the entry of contaminants inside bearings. Since many of the lubrication points in oilfields are dangerous and hard to access, they are not lubricated as often as required. This causes accelerated wear of mechanical components and often leads to premature bearing failure. Extreme operating conditions such as high temperature, vibrations, shock loads, high loads, and contaminants such as dust, dirt and water demand frequent and reliable lubrication in order to prevent costly downtime.

Automatic lubrication systems from **LUBECORE** are successfully being used on many critical pieces of the drilling rig such as the Brake, Crown, Drawworks, Cranes, Generators, and Mud Pumps. They are economical, meet the technical demands and also drastically improve work place safety, a key concern in the oilfield industry.

## ► Economical reasons for LUBECORE

Lubrication without the need to stop production increases the efficiency of your equipment. Automatic lubrication systems from **LUBECORE** save time because they minimize lubrication maintenance runs. The time it takes to refill the reservoir on the **LUBECORE** automatic lubrication system once per month is minutes compared to hours per day spent with manual greasing.

### Do more with less:

The utilization of the **LUBECORE** multi-line system to lubricate critical pieces of equipment saves time. Standard lubrication on the rig is required at least every few hours, with time at a premium, this is often missed or disregarded until time is available. The **LUBECORE** multi-line provides consistent lubrication 24 hours a day, 7 days a week, with no worry. You only need to refill the easy to reach reservoir, once a month, for the vast majority of your equipment. You can rely on the **LUBECORE** multi-line system to deliver fresh, clean lubricant, when and where you need it, without maintenance.



Distribution blocks and lines are available and all rated for high pressures in order for the **LUBECORE** pump to be able to deliver grease long distances to difficult to access lube points.



The LUBECORE system used to lubricate the Crown bearings represents one of the most cost effective applications on the rig. Saving both time and money when safety is the priority.

## ► Safety reasons to use LUBECORE

Roughnecks, tool pushers, and rigs superintendents are constantly exposed to danger in the field. Applications are commonplace that expose each to harm's way. Using **LUBECORE** with remote mounting, away from potential hazards, minimizes one's exposure to unsafe practices by up to 90%. Making it easier to follow and observe the required safety precautions.



With the LUBECORE system mounted on the drill floor the distribution block mounted on the crown can be set up to light an alarm at the drill floor to alert personnel if there's a malfunction or restricted line up at the crown.

## ► Technical reason to use LUBECORE

Automatic lubrication systems ensure an uninterrupted supply of sufficient, fresh lubricant to all lubrication points. In addition, they effectively seal lubrication points and bearing seals to prevent the entry of water, dirt and dust. Even hard to access, moving, or hidden lubrication points that are often neglected are permanently lubricated without interrupting production.

### Another advantage:

The time saved with automatic lubrication systems from **LUBECORE** can be invested in other value-adding maintenance tasks, including regular inspections of equipment and lubrication systems, basic condition monitoring, oil sampling and filtration.

# LUBECORE Lubrication Systems in Oilfield – Drilling Rigs

**LUBECORE** products have been successfully used in applications related to Oilfield equipment.

Reliable automatic lubrication ensures trouble free operation for machinery and equipment.

**LUBECORE** units can be mounted in NEMA Rated enclosures for protection from the harsh environment. The indicator display and clear reservoir keeps personnel informed on grease levels and operation.

## LUBECORE automatic lubrication systems – we meet your needs:

- > 24 hour operation
- > Simple installation
- > Easy tool-free exchange
- > Little mounting space
- > Tough systems – no power needed
- > Regular injections in small amounts of fresh grease

## LUBECORE is a Trusted Partner Worldwide for all Industries:

- Market leader
- Largest product range in all markets
- Many well-known satisfied customers
- Field-tested accessories for every lubrication system
- Product training, expert advice and consultation  
(Contact TEXAS OIL GROUP)



Automatic lubrication systems from LUBECORE are used in the following areas:

Brakes

Crowns

Generators

Cooling Fans

Cranes

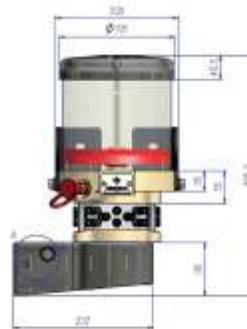
Drawworks

Pumps

Top Drives

Mud Pumps

For more information, please visit our website or contact [www.texasoilgroup.com](http://www.texasoilgroup.com)



Multi line pumps

[info@texasoilgroup.com](mailto:info@texasoilgroup.com)



## TEXAS OIL GROUP LTD CO

8300 FM 1960 West, Suite 450  
Houston, TX 77070

Phone: +1 (713) 300-5379

Fax: +1 (281) 645-9398

E-mail: [info@texasoilgroup.com](mailto:info@texasoilgroup.com)