



BIJUR DELIMON
INTERNATIONAL

*Above
and below
ground.*

*Opencast and
Underground Mining* 

Day by day service: High-quality centralised lubrication technology

Excavators, up to 100 m high, more than 200 m long and with a weight exceeding 13,000 t: equipment which is used in opencast mining. These excavators must run smoothly. And it is the job of specialists to ensure this. For example those of BIJUR DELIMON International. They provide high quality in the field of centralised lubrication technology. No matter whether for drives bucket wheels, jibs bearings, rotary tables, gear and

The lube systems for each area is equipped with condition monitoring. The centralised lubrication system is controlled either from customer's PLC or a tailor-made control system. Reliable monitoring of the complete lubrication system is paramount.



"Perfect"

That's how many of our customers feel once they have decided for Total Lubrication Management. With this innovative service, we accept total responsibility for centralised lubrication, thus guaranteeing:

- **improved process reability**
- **less breakdowns / downtime**
- **reduced energy consumption**
- **less repairs work**
- **conformity with standards**
- **cost savings.**

And even better: Total Lubrication Management also ensures value-added performance of own staff less administration all this from a single source..... nationwide.

Total Lubrication Management offers you a comprehensive concept which covers your needs in terms of

- Lubrication systems
- Oils and greases
- System selection and fit
- Preventive maintenance
- Scheduling and service
- Documentation
- Cleaning and waste disposal
- Stock-keeping

The benefits include: increased plant availability, a quality-assured process and less process costs.



For example: Rotary bucket excavators.

Multi-line centralised lubrication systems lubricate up to 32 different lube points and feature a line length of up to 40 m. Pump operation is accomplished electrically and via rocking levers. The feed volume can be separately controlled for each outlet.

Centralized lubrication systems with two feed lines are preferably employed in plants with many lube points (up to 1,000 and more) and long distances (up to 150 m). The lubricant is fed in regular intervals with dosing being accomplished via distributors with variable feed volume.



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Rollers establish the connection between the conveyor belts. Lubrication takes place by means of grease pumps with ratchet lever drive. They are put into and out of operation automatically by switching the drive motors on and off.

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The hoisting gear is activated by lifting and lowering the bucket-wheel boom. Lubrication is by an electric-motor-driven pump.

4

The roller way of the rotating section rests on hydraulically supported roller carriages. A motor-driven grease pump takes care of distributing the grease uniformly.

5 6 7

Grease pumps lubricate the winch of the conveyor belt, the steering system of the filling device and the labyrinths of the bucket-wheel bearings.

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The travel gears of the excavator and of the loading conveyor are lubricated using the dual-line principle. Two pumps feed more than 600 grease points.

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A grease pump and metering valves ensure lubrication of the steering system of the excavator travel gear.

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The sheave lifting gears are fed with grease from motor-driven grease pumps.



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It's (no) magic: Engineering

DELIMON has developed and built centralized lubrication systems for more than 125 years. And just like the progress made in opencast and underground mining, the development steps are also obvious at DELIMON. That's no accident because this long-established company is always keeping pace with technical progress. Time and again, the specialists of DELIMON are requested to provide customized solutions, and time and again our engineers and design experts, product specialists and service technicians come up with sophisticated and tailor-made solutions. However, these developments do not happen by chance. They are the result of a suitable strategy:

- Market and product studies form the basis of all further planning.
- The concept is developed and the strategy is designed.
- The product concept is created.
- Following product testing, production starts.
- The products are checked for potential improvement.



Worldwide operation: even in customer service.

In which branch, wherever on the globe innovate centralized lubrication is needed: DELIMON is close by. With local branches, distributors and partners in cooperation. In Europe, Asia and overseas. Always with specialist service teams who speak your language. Try us.

... in over 50 countries worldwide.



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