

TRANSCONSULT



Automatic Greasing Systems

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Need to...

- increase productivity of your machines and vehicles?
- save on lubricants and labour?
- extend the life of your equipment?

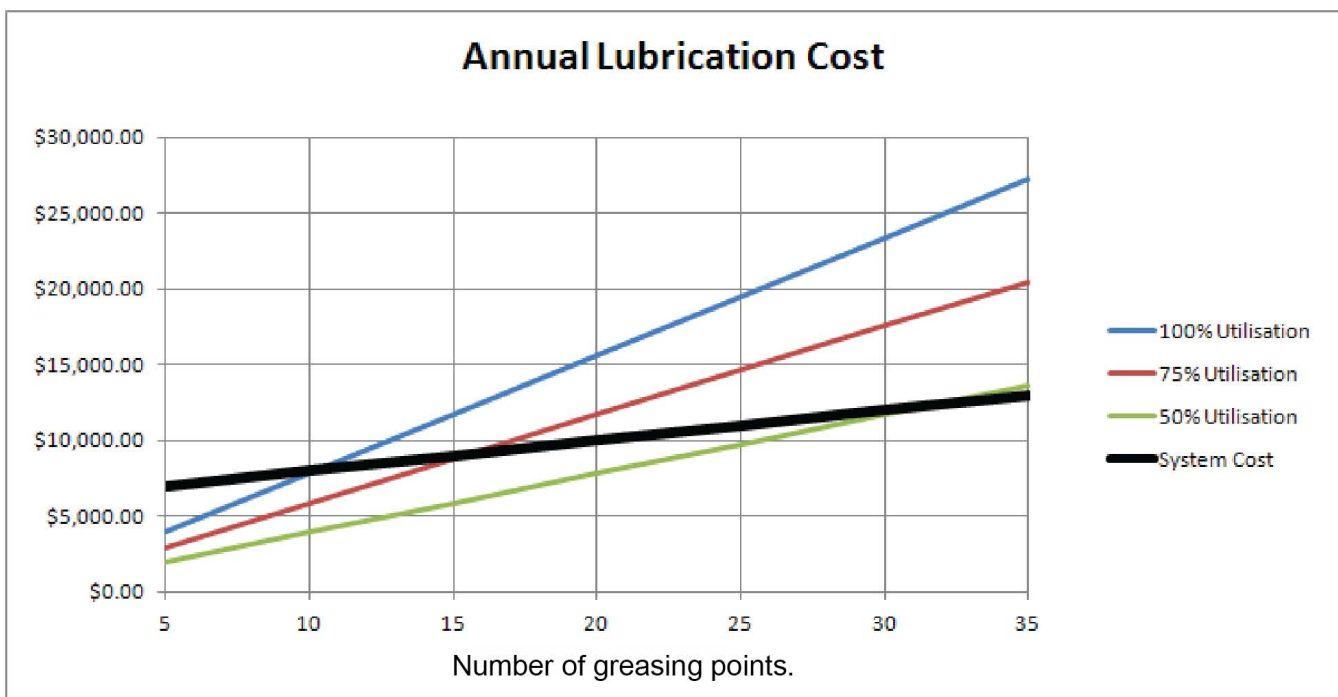
An automatic greasing system is the answer.



An automatic greasing system is the most practical, realistic and cost effective way to increase production and reduce lubrication related wear of machinery.

It will provide you with the following benefits:

- 1** Your vehicle or machine produces more - convert idle time spent on manual lubrication into valuable production time
- 2** Reduce breakdowns and wear - critical wear parts remain lubricated at all times, while your equipment is producing income.
- 3** Save on lubricants without having to rely on operators - every lubrication point receives the correct quantity, of the correct lubricant, at the right time, in all weather conditions
- 4** Reduce safety risks – no need to reach inaccessible, dangerous lubrication points
- 5** Stop paying skilled technicians to carry out menial, dirty, repetitive tasks
- 6** Increase the resale value of equipment
- 7** A reduction in lubricant consumption also benefits the environment



Assumptions:

- 1.) 3 Min to manually grease a point.
- 2.) Effective staff wage \$30/Hr.
- 3.) Production loss on machine \$60/Hr.



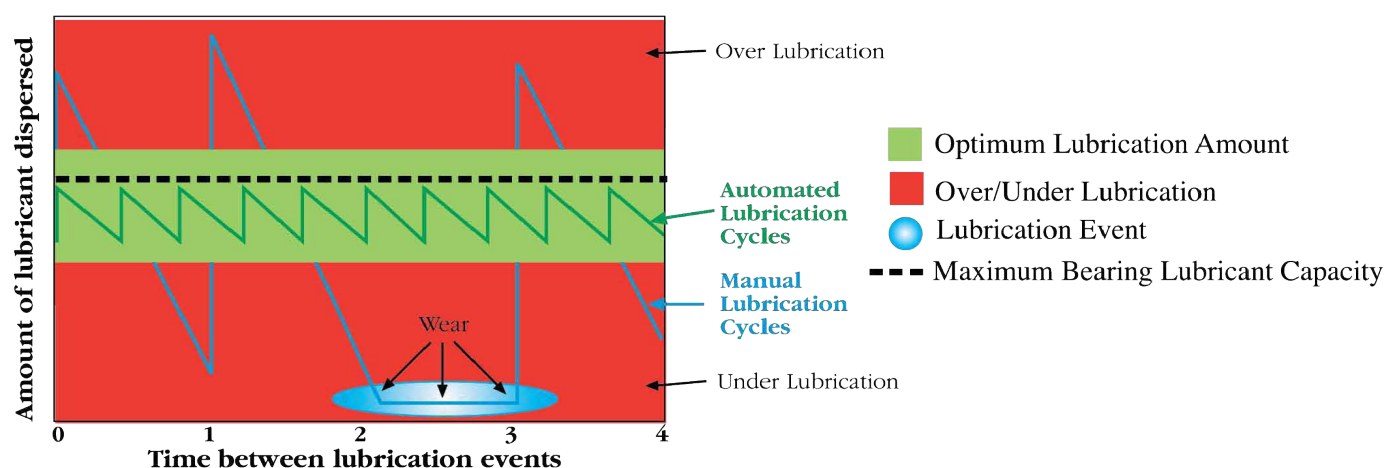
Automatic greasing systems generally consist of a reservoir, a positive displacement pump, lubricant lines, distributors, metering elements and a control system. Controls may be integrated with vehicle/plant controls or may be manually activated, depending on customer requirements. Electrical parts suitable for hazardous areas may be specified.

(For more information please visit <http://www.beka-lube.de/en/index.php>)

Disadvantages of Manual Lubrication

- Premature bearing failure – up to 50% of all failures are due to contamination, incorrect or inadequate lubricant. Less than 10% of bearings reach design fatigue life
- In dusty, wet conditions such as mines, quarries or cement plants bearing failure can occur even more frequently
- At best, equipment is over lubricated, leading to seal failures, contaminant ingress and waste of lubricant
- At worst, equipment is lubricated at irregular intervals or, if it is particularly inaccessible, not lubricated at all
- Skilled labour is used for menial dirty tasks, rather than concentrating on value adding tasks like root cause failure analysis

The **Real** Difference between **Manual** Lubrication and **Automated** Lubrication



"Two things haven't changed over time:

- 1 Automated lubrication systems still extend effective equipment life; and
- 2 Manual greasing/oiling systems are still cheap to purchase, but terribly expensive to manage effectively."

(Ken Bannister, Contributing Editor, Lubrication Management and Technology)

Why use Transconsult?

Starting in 1992 we have installed over 1,500 automatic greasing systems on:

- On/off road vehicles
- Construction machines
- Agricultural machinery and vehicles
- Process, packaging and materials handling plant

Due to the flexibility of automatic greasing systems we can custom design a system specifically for your application or provide an OEM approved installation (CAT, Volvo, Liebherr etc).

Our system can handle the following lubricants:

- Soft grease (NLGI Cl. 000, 00, 0)
- Hard grease (NLGI Cl. 1, 2)
- Oil
- Food grade lubricants

Depending on the application, the number of lubrication points, the lubricant to be used, required lubricant quantities and dosing frequencies an automatic greasing system can be designed in various configurations:

- Single line, dual line or progressive system allows a great amount of flexibility in the design as well as the lubricant to be handled.
- Provision can be made to adjust or expand the system if the plant is extended.
- Systems with up to 1000 lubricating points have been installed.

Phone now for a no obligation consultation!

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BEKA-MAX®