The Complete System Program for Construction Machines
The central lubrication system for construction machines

At a construction site, each minute counts. Construction machines have to work - they may not break down, least of all because of an avoidable defect, caused by a lack of lubrication. Highly loaded pins, bearings and joints need regular care. But manual greasing costs much time and money. Maintenance works are expensive, but downtimes of a machine cost much more. You can forget all these problems with a BEKAMAX central lubrication!

The easy way of maintenance
During the machine is in operation, the BEKAMAX lubrication system supplies all lube points with the necessary grease. Absolutely reliable, electronically controlled and precisely metered.

Each bearing receives the right quantity of lubricant at the right time, without any standstill times. This improves the operational reliability of the machines and reduces maintenance costs.

Electronic control
The electronic control of the central lubrication is adapted to the operating conditions of the vehicle and activates the pump in the fixed interval.

Desmodromic actuation of the pump elements
The pump elements are not only driven by a simple return spring but have also a desmodromic push-pull actuation.

This guarantees a reliable functioning of the pump even by the use of rigid grease (up to NLGI 2) and at very low ambient temperatures!

- Heavy-duty components
- Suitable for all common lubricants (NLGI 000, 00, 0, 1, 2)
- Pump element with desmodromic drive for highest reliability
- Reservoir capacities: 1.9 - 2.5 - 4.0 - 8.0 kg
- Integrated control unit EP-tronic with
  - 3 operating modes: time, cycles or revolutions
  - electronic function monitoring
  - electronic choice of operating conditions EWP: easy, medium or heavy use
- Integrated data logger with diagnosis module
- Perfectly matched installation kits in OE quality
- Used as initial equipment by leading manufacturers

Flexible, precise and modular:
Smaller construction machines like compact excavators or compact wheel loaders usually have only a little number of lube points. Apart from that, the installation of a central lubrication system is difficult because of the restricted space. Especially for these applications, BEKAMAX has designed the compact PICO system.

PICO - high performance in a small space!

PICO - the innovative central lubrication system for compact vehicles and machines

The PICO system is the ideal combination of functionality and flexibility with compact dimensions. The PICO system is the unique symbiosis of two lubrication systems: Multi-line and progressive technology.

The powerful PICO pump supplies up to 8 lube points directly. Without distributor! To feed more lube points, the system can be extended with a progressive distributor. Even a second progressive circle is possible.

PICO is a modular system which can be used for all common vehicles and machines.

It is suitable for initial equipment (OE) or retrofitting.

- Very compact design
- Unique combination of two lubrication systems: Multi-line and progressive technology
- Suitable for all common lubricants (NLGI 000, 00, 0, 1, 2)
- Reservoir capacity 1.2 kg with level monitoring
- Flexible extension possibilities
- Integrated control unit PICO-tronic with
  - three operating modes: time, cycles or revolutions
  - electronic monitoring
  - electronic choice of operation conditions EWP: easy, medium or heavy use
  - integrated data logger with diagnosis module
- Perfectly matched installation kits for each vehicle or machine in OE quality

BEKAMAX progressive distributors

- Modular designed distributor system
- Flexible extension possibilities
- Highest precision
- Comprehensive program of distributor types
- Optionally with monitoring and blockade control
- Also in stainless steel
Lubrication systems for hydraulic breakers

- Effective reduction of wear and tear
- Higher productivity without lubricating services
- Trouble-free operation with HD components
- With hydraulic or electric drive
- Reliable even at low temperatures
- Suitable for special lubricants

Hydraulic breakers are highly-stressed add-on tools for construction machines. Caused by the high mechanical load, wear and tear of the chisel is very high. BEKA HAMAX breaker lubrication systems guarantee the steady lubrication of highly loaded bearing points. Due to the special design of the pumps, it is even possible to deliver lubricants with high solid contents like copper chisel lubricant.

No application is like the other. That’s why BEKA HAMAX offers no standard tools, but tailor-made solutions. This means: The ideal lubrication system for each application.

The lubrication system installation directly at the breaker
- Suitable for lubricants with solids
- Adjustable lubricant output
- Activation by impulse - suitable for applications without steady hydraulic flow
- Just one hydraulic connection (no return flow)
- Various reservoir sizes (100 / 200 / 400 cm³)
- For the direct supply of lube points or to feed a progressive system

The heavy duty lubrication system for high demands
- Installation at the breaker - ideal for the use with different machines
- Adjustable lubricant output
- Simple design for highest reliability
- Hydro drive for steady delivery rate
- Low operation costs by common cartridges

The strong solution with compact dimensions

The system for excavators which are usually operated with the same breaker
- Protected installation at the excavator
- Large steel reservoir for long operating times without refilling
- Very economic operation with grease from the barrel
- With electric (EP) or hydraulic (HP) drive
- Reliable BEKAMAX technology
The modular pump of the latest generation

- **Powerful**
  Output up to 12.0 cm³/min

- **Precise metering**
  Always exactly the right delivery rate even with different lubricants

- **Flexible use**
  Suitable for all lubrication systems:
  - Single line
  - Dual line
  - Multi line
  - Progressive
  - Sectional

- **Intelligent**
  Various controller systems available:
  - External
  - GIGAtronic
  - GIGA-multitronic

- **Wide range of reservoirs**
  Sizes 4 / 8 / 16 kg with agitator blade

- **Functional monitoring**
  - Flow meter
  - Pressure monitoring
  - Grease level monitoring

Suitable for all lubrication systems:
SINGLE LINE - DUAL LINE - MULTI LINE - PROGRESSIVE - SECTIONAL
BAIER + KÖPPEL GmbH + Co. KG
BEETHOVENSTRASSE 14
91257 PEGNITZ/BAVARIA
GERMANY
fon +49 9241 729-0
fax +49 9241 729-50
e-mail beka@beika-lube.de
web www.beka-lube.de

BEKA INDUSTRIAL
BEKA WIND
BEKA MAX
BEKA WOOD
BEKA MINING
BEKA CLEARTRONIC
BEKA FLULUB
BEKA FOODLINE
BEKA TRON

BEKA International

ALGERIA
BEKA LUBE ALGERIE
Zone d’activités n° 25
25140 Ain-Medna / Constantine
fon +213 3 31 97 51 00
fax +213 3 31 97 51 12
e-mail jeff-services55@gmx.fr

AUSTRIA
BEKA-LUBE GmbH
Rothweg 54
5020 Salzburg
fon +43 662 43 84 42
fax +43 662 43 84 403
email office@beka-lube.at

BELGIUM
BEKA LUBE N.V.S.A.
Demarestlaan 32
BE 3200 Aarschot
fon +32 16 64 09 26
fax +32 16 64 05 46
email info@beka-lube.be

CANADA
BEKA-LUBE Products Inc.
2830 Argentia Road, Unit 9
Mississauga, ON, L5N 8G4
fon +1 905 821 10 50
fax +1 905 858 05 97
email info@beka-lube.com

CHINA
BEKA Lubrication Systems Co. Ltd.
Room 1603, Building 1, Sandhill Plaza,
No. 2290 Zhonghong Road
Pudong New District, Shanghai 201210
fon +86 21 61 46 29 88
fax +86 21 61 46 29 89
e-mail sales@beka-world.cn

FRANCE
BEKA-LUBE FRANCE
4, bis Rue de l’Artisanat
89100 Paron
fon +33 386 83 39 06
fax +33 386 65 52 54
e-mail contacts@bekalube.fr

ITALY
BEKA-LUBE s.r.l.
Via Rossa 152
I-20162 Milano (MI)
fon +39 039 61 80 088
fax +39 039 61 75 23
e-mail servozociet@bekalube.it

JAPAN
BEKA Japan Co., Ltd.
Kommachi 2-4-15, Yan-Shi
Osaka Pref. 581-0003
fon +81 72 923 14 22
fax +81 72 923 43 95
e-mail info@beka-japan.jp

KOREA
BAIER + KÖPPEL Korea Ligation Office
A-A1 456, Sunyung Woorim Lons Valley
149, Yangsineung-ro, Yeongdeungpo-gu, Seoul (150-105)
fon +82 2 20 38 09 66
fax +82 2 20 38 69 34
e-mail info@beka-world.kr

NETHERLANDS
BEKA NEDERLAND B.V.
Wagenmakerstraat 11
4762 AV Epenbergen
fon +31 168 37 15 38
fax +31 168 33 83 29
e-mail info@beka.nl

SPAIN
BEKA-LUBE BÉRICA S.L.U.
C/Abasanz, 14 BIS, 2º J
28037 Madrid
fon +34 91 462 26 56
fax +34 91 520 17 88
email beka@beikalube.es

SINGAPORE
BEKA WORLD SINGAPORE PTE. LTD.
51, City Business Park Central 2 #07-10 The Signature
Singapore 469266
fon +65 65 38 94 18
fax +65 65 38 94 28
e-mail jlow@bekalube.com.sg

TURKEY
BAEKARMAZ SAMPAR ve TICARET LTD. STI. Kucukkoy Ticaret Merkezi
26, Nisantasi Mah. 34652 Mattaie / Istanbul
fon +90 216 367 34 00
fax +90 216 367 33 85
e-mail info@beka-turk.com

USA
BEKA WORLD L.P.
PO. Box 234
258 Somwil Drive
Buffalo, NY 14225
fon +1 716 685 3177
fax +1 716 685 3634
e-mail info@bekalube.com

Agencies

Argentina
Australia
Belarus
Bosnia
Brazil
Bulgaria
Croatia
Czechia
Denmark
Estonia
Finland
Great Britain
Greece
Hong Kong
Hungary
India
Indonesia
Iceland
Ireland
Latvia
Lithuania
Luxembourg
Malaysia
New Zealand
Norway
Poland
Portugal
Romania
Russia
Slovakia
Slovenia
South Africa
Sweden
Switzerland
Ukraine
and others

© BEKA 2018. All rights reserved.