

That's Special

Company News

Edition 8, May 2009

Information for Customers, Friends and Employees



1834 – 2009 Traditionally innovative

CARL BEICHEM GMBH – from the first German oil factory to the global player in the field of high-performance lubricants.

BEICHEM
175
YEARS
1834 – 2009

Develop the future



Traditionally innovative

The technical standards are increasing, development cycles are speeding up and completely new technologies in different industries demand permanent work to cope with these requirements. This is why BECHEM is even more concentrating on Research and Development also in 2009.

Besides the laboratories also the technical centre in Hagen is involved. This important division has just moved into a new building and could thus gain even more space for technical test equipment and test rigs. In this building a climatic zone of more than 25 m² as well as a number of new test devices is available. An important new acquisition is the torque test rig for the precise recording of torques and holding torques



Management team of the technical center in front of a torque test rig

up to 200 Nm. Here among others constant load tests can be carried out. BECHEM now has an own temperature controlled test room in which temperature, climate as well as salt mist and dust simulations can be conducted. These tests are e.g. typical for the service conditions in vehicles and can now be reproduced close to reality. Thanks to these extension and modernisation measures as well as to the new test rigs, BECHEM is now in a position to further reduce development times and to considerably upgrade the service offers to their customers.

Create the future



Enterprising and futuristic – lubrication concept for architectural highlight

39 carriers with a weight of 3.000 tons form the steel construction of one of the latest architectural highlights in Europe. The enterprising and futuristic construction of the gigantic glass roof in the railway station of Liège-Guillemins in the Walloon part of Belgium has a surface of incredible 32.000 m².

It was designed by the Spanish star architect Santiago Calatrava and now roofs the main connection Paris-Lille-Brussels-Cologne, an important stop within the European high speed network. In 2010 the official inauguration is planned. For the internal cleaning of the huge glass surface the Belgium company Secalt installed an automotive service cart hanging at the ceiling which covers a distance of 7 km. With driving toothed wheels this cart grasps two fixed chains which are assembled under the roof and which run in guide rails of aluminium. And this is exactly where BECHEM got involved: The chains manufactured of oxidised steel had to be equipped with corrosion and wear protection. The solution is a grease spraying system of the BECHEM partner Walther Systemtechnik which allows the distribution of the grease on the complete installed chain. BECHEM's lubricant solution is called HIGH-LUB SW 2 V. After positive practical tests the equipment was ordered after a short development time of five weeks only.



Service cart in vertiginous heights

The dosing technology:

- two spray nozzles assembled at the right and left chain rail
- process control via pressure sensor
- central grease pump
- electric and pneumatic control
- air compressor
- manufacturer: Walther Systemtechnik
- lubricant: BECHEM HIGH-LUB SW 2 V

Join the future

Innovation brought on the point



Besides the tailor-made development and production of industrial lubricant solutions BECHEM and the sales partner Walther System-

technik GmbH also offer solutions with a special dosing technology adjusted to the individual manufacturing processes. The offer includes automatic and manual dosing systems tailored to the customers' requirements and the lubricant concept in order to achieve the exact dosage of greases, oils and release agents.

1834 Foundation of the first German oil company by Carl Bechem

1835 Railway becomes the first important key customer of BECHEM

1840 Wire drawing companies become major and important customers

1870 Quick success with mineral oil based lubricant products by long experience and know-how

1895 As one of the first German companies BECHEM manufactures products according to Stauffer greases

1909 BECHEM acquires the brand "STAROIL" which e.g. is used at Luftschiffbau Zeppelin GmbH

1920 BECHEM lubricants meet all requirements of technical modernisation

Experience the future

Getpro gives an example

The integrated world of gears with all components involved was in the focus of the second Getpro congress in Würzburg in March.

One of the subjects was the field »Lubricant and Coatings«. 270 participants showed great interest in the presentation held by BECHEM, called »BERUFLUID - Coolant of the new generation for high performance metal working operations«. The interested audience could gather more detailed information on site by visiting the BECHEM stand.



Annual Meeting

The 24th annual meeting of cold forging companies held in Düsseldorf was focused on knowledge transfer. Experts from industry participated in that important meeting.

The traditional event is meanwhile the practical forum of the VDI (Association of German Engineers) with regard to questions in the field of cold forging. The BECHEM business unit forming technology held a presentation on »Cold forging without phosphate coating«.



Celebrate the future

Another jubilee: the ISH celebrated its 50th anniversary



The international leading trade fair for bathroom, building, energy, air-conditioning technology and renewable energies ISH in Frankfurt could celebrate this year its 50 years old history of success.

About 202.000 visitors came to get information on new products and to find new business contacts. The part of international visitors considerably increased from 25% to close to 30%. The sanitary industry, an important industry for BECHEM, was represented with more than 700 exhibiting companies. For this industry BECHEM presented a variety of product solutions, e.g. lubricants for ceramic regulating and sealing discs, valve tops and O-rings. The BECHEM team was very satisfied with the exhibition and could lead intensive discussions with customers and prospective clients. Many visitors of the BECHEM stand came from Asia in order to discuss running projects and to initiate new projects which was a great benefit for maintaining and intensifying the business relations.



Hans-Otto Franz and Dr. Martin Walter

Dear Readers,

in June this year we can look back on a special anniversary. 175 years ago Carl Bechem founded the first German oil company in Hagen. Already in 1834 the founder had a vision which the following generations have permanently developed.

We will duly celebrate this anniversary in the course of our 6th International Symposium in Hagen and Mieste. For the International Symposium we are expecting guests from more than 30 countries and we are sure that this meeting will result in positive impulses for our further business development.

In the current economic situation we would like to benefit from the time and meet the present challenges with innovations tailored to our customers' requirements. One contribution is our International Symposium held every three years together with our partners all over the world.

We are convinced that for us, being an innovative specialist, there will be many possibilities to further extend our market position.

In this regard our strategic principle »Obliged to tradition and future« is even more valid than ever.

Sincerely yours,
Your BECHEM Management

Plan the future

6th CARL BECHEM International Symposium



From 17th to 20th June 2009 the 6th CARL BECHEM International Symposium will be held in Dortmund. On this occasion the »BECHEM Family« with their daughter companies, Joint Ventures and partners will meet. Target of this event is the international knowledge transfer among the BECHEM partners and is an important contribution to the future of our company history.

1930 Cooperation with the ball bearing manufacturers in Schweinfurt, W-16, KS-28 and SN-28 are well known ball and roller bearing greases

1948 As first German company BECHEM produces lubricating greases for modern Timken roller bearings

1952 BECHEM moves to Hagen-Vorhalle, the today's headquarter, and builds the new plant

1968 Implementation of the very modern grease plant in Hagen

1973 BECHEM supplies broaching oils for the manufacture of the Saturn carriage from which the Saturn V started to the Apollo moonshot

1974 BECHEM develops first polyurea greases for applications in the steel industry subject to high temperatures

1976 Installation of the development division for special lubricants (e.g. for plastic lubrication)

Produce the future

BERULUB SIHAF 2



Besides the US American NSF H1 requirements the white creamy special grease BERULUB SIHAF 2 fulfils the specifications of five other registration offices (NSF Standard 61, guideline of the Federal Office for the Environment, WRAS, Belgaqua and DIN EN 377) and thus offers multiple application possibilities in the areas drinking water and foodstuff. The lubricant on silicone oil basis is the reliable and ideal agent for the beverage industry and lubricates rotary distributors, filling equipment as well as filling taps. The product is now also available in system cartridges for lube shuttle system grease guns. This guarantees quick and absolutely clean handling of the grease cartridges.

now also available in system cartridges for lube shuttle system grease guns. This guarantees quick and absolutely clean handling of the grease cartridges.

Sponsor the future

Ready for high leaps ...

... is the young team of the basketball club BBV Hagen which is actively supported by the CARL BECHEM GMBH in their promotion activities. Perhaps one or the other will step into the shoes of the very famous players of the city of basketball Hagen.



Rotary distributor of Krones AG
Photo: Krones AG

See the future

New DVD

With our new DVD we offer our customers and partners an interesting information medium. Here we have gathered the most important news of our company in an entertaining and memorable form. Please order the new DVD already now via internet: www.bechem.com



Order the future

The slightly different Newsletter

With our new newsletter you will receive the essential information about important and new lubricant products from our range. If you wish to benefit from our service and would like to regularly receive our newsletter, please send us an email or use the contact form on our homepage.

Contact:

bechem@bechem.de
www.bechem.com



Imprint

That'Special – Information for Customers, Friends and Employees of the CARL BECHEM GMBH

Editor:

CARL BECHEM GMBH, Weststraße 120, 58089 Hagen, Germany

Phone +49 2331 935-0, Fax +49 2331 935-1199, E-Mail: bechem@bechem.de, www.bechem.com

Responsible for the content: Kai-Uwe Vieweg, Conception and Layout: CPC-Werbeberatung

1981 Market introduction of the sea water resistant high-performance grease HIGH-LUB SW 2

1986 With the AVANTIN range BECHEM offers fully synthetic coolants for metal working processes

1993 BERULIT 935 is the basis for the development of successful coating lubricants for semi-hot forging

1994 BECHEM supplies environmentally friendly rail lubricants for the Eurotunnel

2003 BECHEM continues its global expansion with an own production plant in China

2005 Widely noted: Anti-friction coatings for the automotive industry

2009 175 years of successful work. Innovations: BERUFLUID, phosphate free coating agents, invisible anti-friction coatings, calibre release agents