

world of rope

published by CASAR

Page 2

CASAR TO BREAK RECORDS IN AUSTRALIA

Page 3SUCCESSFUL WIRE ROPE SEMINAR STRENGTHENS PARTNERSHIP
BETWEEN CASAR AND ITALMET IN ITALY**Page 4**SPECIAL ROPE TRAINING FOR THE SIEMAG-TECBERG TEAM
WIRECO AT INTERMAT PARIS

CASAR to break records in Australia

CASAR has always been known for the extraordinary performance of its mining ropes. Now they have set a new world record in Australia's Northparkes mine, establishing a new milestone in the process. After 652,239 completed cycles, a service life of 46 months and more than 22 million tons of moved rock, the Turboplast M used for the work was gracefully retired. The rope was discarded according to plan

in mid-January 2015 under the supervision of Roger Smith, an experienced expert for high-tech mining ropes in the service of CASAR, and Alexander Fäh, sales engineer for mining ropes.

The Northparkes mine is located in a rural area of the state of New South Wales, around 450 km to the west of Sydney. At the end of 2013, the Chinese company China Molybdenum Co., Ltd. took over 80% of the



Andreas Schmeiss
WireCo WorldGroup
VP Crane Industry

Dear Customers,

I would like to extend a very warm welcome to all of our newsletter's readers, which I always read with a great deal of interest even before I took up my new position at WireCo/CASAR. On May 1st, I took over responsibility for the Crane Rope Division. I am sure you will agree that this is an extremely interesting and exciting challenge.

At the moment we are all witnessing and experiencing tough times in the market, caused by the crisis spots that sadly are spread around the whole world, and also by general economic uncertainty resulting from financial risk factors (Euro crisis/Grexit).

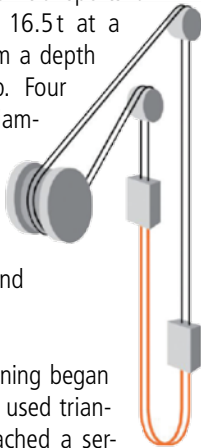
expertise, a German premium manufacturer can also succeed in the market. Another important component is the continuous improvement of our special wire ropes for the toughest requirements. CASAR is working hard towards this in close partnership with world-leading crane manufacturers to generate the added value they need through innovative solutions that are consistently focused on customer needs. There is a lot more that we can achieve in collaboration with you. Please feel free to contact us; we would be happy to provide any necessary assistance.

Yours sincerely

Andreas Schmeiss

However, there are rays of hope and positive stimuli for the future even in times such as these. With the best of rope technology, outstanding service and excellent technical

shares of the Rio Tinto Group, while the remaining 20% are still owned by the Japanese Sumitomo Group. Gold and high-quality copper concentrate are mined and extracted in the Northparkes mine. The hoisting machine is a ground mounted friction winder with a motor power of 3 MW which transports a maximum payload of 16.5t at a speed of 15.3m/s from a depth of 590m to the top. Four hoist ropes with a diameter of 32mm and a length of 750m are used, two ropes right hand Lang's lay and two ropes left hand Lang's lay.

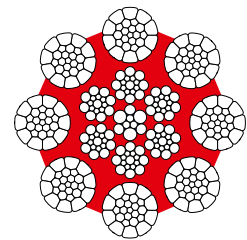


When underground mining began in 1997, the originally used triangular strand ropes reached a service life of around 100,000 working cycles. The rotation-free 19x7 hoist ropes that were subsequently used only had a very short service life so that the first set of CASAR ropes was installed in 2000. This set increased the service life to 245,000 cycles and only had to be discarded due to mechanical damage caused by rockfall. The following change to a competitor caused nothing but problems for Northparkes and left them with a short rope service life which is why the company went back to CASAR. Since going back to CASAR, 3 additional sets of CASAR ropes have been used, and with each set it was possible to increase the service life further. With the 4th set, CASAR managed to increase their own world record of 485,300 cycles on a friction winch, which they had only in fact broken with the 3rd set, to an incredible 652,239 cycles.

This performance ought to be rated even higher as important parameters such as speed, payload, acceleration and utilisation were increased over time, while maintenance measures were reduced. Normally all this would rather lead to a reduced service life. However, with an intensive examination of the discarded ropes and a comprehensive study of the relevant damage mechanisms, the rope experts of CASAR managed to continuously develop the rope for Northparkes, successfully managing to prevent the rope reaching discard maturity prematurely.



When the rope was changed in January, again a CASAR Turboplast M was installed to confirm its world record performance. In the long term they hope to exceed this record again significantly, aiming for a service life of 800,000 cycles. This should be achieved by using Turboplast MF for the sixth set of CASAR ropes, a rope which is even better adapted to the requirements and circumstances on a friction winder.



CASAR Turboplast M

For this reason the now discarded world record rope has been transported back to Germany for intensive examination by CASAR.

This is the only way to guarantee a continuous improvement of our product and to come a bit closer to our goal. The relevant managers at Northparkes will also be present during the rope examination.





Successful Wire Rope Seminar Strengthens Partnership between CASAR and Italmet in Italy

In June 2015, the site of Italy's exclusive CASAR retailer, Italmet, was the venue for a two-day course on "special wire rope". A total of 32 participants from 17 different companies took up the invitation from Managing Director Maura Caporossi to deepen their wire rope knowledge in a relaxed ambience. It was the final culmination of weeks of meticulous planning, during which the Italmet team even converted a warehouse into a modern training area. The reward for all this effort was totally satisfied customers, who could go home feeling the satisfaction of knowing more about rope as a building component.

After the training course was opened by Managing Director Caporossi, the first day was mostly about the basics of rope technology. In light of the many questions and lively discussions about the subject, we soon could see that we were achieving exceptionally strong user acceptance with this kind of training. The day ended with a cosy get-together over good food on the beach at Marina di Ravenna, which offered an opportunity for sharing experiences.

Whilst we talked mostly about the theory behind special wire rope on the first day, the second day was about also putting it into practice. For this reason, five specially-configured workstations were set up to inform about subjects such as rope technology, casting, pressing, destructive wire rope testing and rope damage in small groups and illustrated using a rope.

The seminar participants could put what they had learned in the 1½ days to the test and get answers to their last remaining questions. After one more round of refreshments, our seminar participants were ready to set off home in the late afternoon. Our thanks go to the whole Italmet team, especially Maura, Silvia, Gianni, William, Domenico, Daniela and Giulia who together made this event a roaring success with their astounding attention to detail.



Special Rope Training for the Siemag-Tecberg Team

Siemag-Tecberg in Haiger is a global provider of specialist solutions for the mining and energy industries. This April, under the leadership of Günter Knerr, Director of Engineering, CASAR trained a group from the Materials Handling Division on the current state-of-the-art of rope engineering in the mining industry.

The training particularly focused on subjects such as choosing the right rope, calculations, maintenance and correct handling. Director of Mining Frank Gäb and Sales Engineer Alexander Fäh provided the training and were delighted with the high level of interest and intensive discussions about the applications for rope in the mining industry.



WireCo at Intermat Paris



Intermat 2015 in Paris welcomed visitors with bright spring weather and a full range of construction machines and accessories. After not attending for several years, CASAR returned with participation of WireCo in the American Pavilion. Despite several crane manufacturers withdrawing from the trade fair, there were numerous valuable discussions with visitors with an interest in ropes.

The very high number of international visitors attending the exhibition was also very pleasing. Although the persistent challenging circumstances for the construction industry unfortunately still stand in the way of a rapid recovery, many participating companies expressed cautious optimism that the worst is over now.

NEXT ISSUE WILL BE PUBLISHED IN
OCTOBER 2015

PLANNED TOPICS:

- DEEP SEA APPLICATION WITH CASAR EUROLIFT
- THE HAULING OF A HIGH-VOLTAGE LINE WITH CASAR ROPES
- NEW RIGGING TEAMS IMPROVE PRODUCTION TIMES IN KIRKEL

EDITOR:

CHRISTIAN SCHORR-GOLSONG

CONTACT:

CASAR DRAHTSEILWERK SAAR GMBH

CASARSTRASSE 1

D-66459 KIRKEL

PHONE: +49 6841 8091 0

E-MAIL: INFO.CASAR@WIRECOWORLDDGROUP.COM

INTERNET: WWW.CASAR.DE



CASAR®

A WireCo® WorldGroup Brand