

world of rope

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Dear readers of our newsletter,

The consistently increasing and also changing challenges of our modern world require innovative solutions. We react accordingly with new and improved products as well as our highly qualified personnel, whom we ourselves provide with training and further education. This year, CASAR is celebrating its 70-year anniversary, and we are proud of our tradition of manufacturing products of the highest quality with optimally trained employees. We support and challenge our trainees who are about

to start their technical and commercial training at the Kirkel-Limbach location; later they will be able to meet our high standards and make a contribution towards safeguarding the future of our company.

With best regards,

Andreas Schmeiss
SVP Global Cranes



Andreas Schmeiss
WireCo WorldGroup
VP Global Cranes

Breaking our own Records ...

Exactly three years ago, we reported to our "world of rope" readers about a world record set in the Australian Northparkes mine. There, our TURBOPLAST M just achieved an unbelievable 652,239 cycles in 46 months, and brought over 22 million tons of rock up from the depths. We are proud to inform you in this issue that we have succeeded in breaking our own record. In the Slovakian mining region of Horna Nitra, the company HBP (Hornonitrianske Bane Prievidza a.s.), operates a total of three mines near the city of Prievidza. With an annual output of 1.9 million tons and over 100 years' experience, HBP is the largest brown coal producer in Slovakia.

In June, we succeeded in achieving a cycle count of 656,046 and a total output of 12,382,083 moved rocks on the floor-based friction winch near Novaky, a





From left to right: Vladimir Jakubis, engineer for mining equipment at HBP, Jan Blaha from Metallan

town near Priedviza, thus beating the Australia world record for floor-based friction winches. This is a system with one hoist rope: in Northparkes a total of four hoist ropes work simultaneously. In Novaky there are two shafts, the North Shaft with a drum winch and a Ø40mm TURBOPLAST, and the South Shaft with the Ø66mm TURBOPLAST on a friction winch. The record-breaking rope is the Ø66mm TURBOPLAST with an operating length of 570m. The friction winch here reaches speeds of 12m/s and a load capacity of 7t. The rope was installed on July 06, 2008, meaning that it has a lifetime of over ten years. However, the best news is: The rope is still on the system, unlike the Australian record-breaking rope, and will therefore push the record even higher. The mine in Novaky has kept detailed records on the lifetimes of all ropes installed since 1976. Our current rope is the thirteenth so far, and it has exceeded the lifetimes of all its predecessors by a factor of at least 2. Its safety is guaranteed through a magneto-inductive test, which takes place every

six months. The last test in April of this year showed only six wire breakages over the entire rope length, so we expect the rope to remain on the system for some time yet – an even higher bar for future records!

This is all the more remarkable because the rope has never been relubricated since its

installation. The shaft is a dry shaft, however. Our customers receive on-site assistance from our sales employee Branislav Gasparik as well as through our long-term partner, Metallan. The team headed by Jan Blaha has known the mine and contacts for many years and is always happy to provide them with advice and assistance.



CASAR Australia gets going

Even if “Down Under”, as Australia is jokingly called, lies on the other side of the globe, in mining and the use of cranes in particular the country is still highly active. CASAR Australia was founded half a year ago in order to support this business even better. An especially-compiled Sales and Service Team with many years of experience with CASAR products and a well-stocked rope warehouse at the Arundel location (Queensland) are the basis for the improved support of our customers in Australia and New Zealand.



Günter Knerr gives a speech on CASAR mining ropes at Mt Isa Mines.

In order to present this concept to the local customers, a team from CASAR set off from Kirkel to present, along with their Australian colleagues, the advantages of the

CASAR ropes in special application-related seminars. Special attention was paid to the important field of underground mining, as CASAR has years of experience in drum

and friction winch applications and has achieved impressive record results in the running performance of the ropes.



Our new Sales and Services Team of CASAR Australia in our warehouse at the Arundel location in Queensland.

No less important is the field of crane applications, in Australia particularly tower and mobile cranes. CASAR, as OEM supplier for most large manufacturers, has the

necessary know-how and the appropriate products for hoist and retraction ropes. Naturally, certified personnel carry out the assembly in Arundel using the equipment

required to attach the necessary end connections to the ropes.

Tower cranes in the land of unlimited possibilities

Tower cranes have been deployed on European construction sites for a long time, and meanwhile conquered the whole world. In the USA, this development was somewhat delayed, since crawler cranes were used there traditionally for the horizontal relocation of materials. But this situation has changed greatly over the past years; here too the large top-slewing cranes now dominate construction sites. This development was clearly shown at the first tower crane conference organized by the specialist publishers KHL in June in Miami. The more than 300 participants indicate that the level of inter-

est in these versatile devices is high; the top-quality lectures were also extremely well-received. Naturally, the ropes used in the tower cranes also play an important role, as these are crucial for problem-free operations on construction sites. High breaking forces, reliable stability against twisting and long lifetimes are stipulated and are fulfilled 100% by CASAR high-performance ropes. It is no coincidence that for instance the CASAR EUROLIFT is original equipment on a multitude of crane types. CASAR, as a sponsor of the event, is certainly highly satisfied with the level of interest shown by the participants in our rope technology.



At the TOC Rotterdam, the world rotates around shipping containers

Rope applications in harbors and international container handling are a world apart. In almost no other industry are efficiency and reliability as significant as in the handling of container ships in the global handling centers located on every continent. The berthing times of even the large container ships is measured in hours, and within this short time, up to 20,000 containers have to be unloaded and of course correctly assigned and transported away. Every standstill and every delay in the whole operation costs money. This is where our CASAR high-performance ropes come into play, as they fulfil precisely these requirements, namely high reliability, operational safety and a long lifetime. Because the quality of our products is no secret in the harbor world, our CASAR stand was consistently well-attended, and during the many technical conversations, the rope specialists present were able to provide

assistance and valuable advice. So the TOC Rotterdam has once again presented itself as an important event for the entire industry related to container handling, and the products displayed by CASAR especially for these applications, such as the improved TURBOPLAST, PARAPLAST and SUPERPLAST 10 MIX, were able to convince the discerning specialists.



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PLANNED TOPICS:

- FLYING HIGH WITH WIRECO AND RUTHMANN STEIGER®
- FIRST MINING ROPE FOR CHINA

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