

Allied's Newest Winch Gets Trial by Ice

ROUTE TO:	
Sales Manager	
Parts Manager	
Service Manager	

The English expression "trial by fire" doesn't quite describe this frozen test of an Allied winch. Ice is the dominant challenge in Siberia, where the new H12A hydraulic winch proved itself last winter.

Modern Machinery, Komatsu dealer headquartered in Missoula, Montana, with a branch in Magadan, Russia, recently won a major contract to supply Bema Gold Corporation with 18 machines for their Kupol project. The gold mining operations are located in the Chukotka region of extreme northeast Russia. The area is remote—some 1,250 miles (2,000 km) north of Magadan, and 800 miles (1,300 km) beyond the end of any road.

Getting those 18 machines to the Kupol site involved a treacherous overland trip in winter, to permit crossing rivers and poor soil conditions without bridges. The equipment headed out under its own power on February 13, 2004, and arrived 41 days later. Temperatures were often around -40 degrees F (-40 degrees C).



The Komatsu D155 shows the effects of winter operation. Despite the cold, the H12A worked perfectly. (Source: Bob Robinson, Modern Machinery, Magadan.)

Allied H12A Hydraulic Winch	
Line pull, bare drum	129,300 lbs
Line pull, full drum	61,800 lbs
Line speed, bare drum	50 ft/min
Line speed, full drum	105 ft/min
Cable capacity	234 ft
@ wire rope dia.	1-1/4 inch
Weight	6,950 lbs

According to Bob Robinson, director of Russian Operations for Modern Machinery, "getting the machines to Magadan was one thing. Getting them to the project site was something else. It was certainly not like anything I've ever been involved with before."

For most of the trip, a Komatsu D375 dozer led the way. They needed 6 feet (1.8 meters) of ice to support the D375, the heaviest piece of equipment.

For rescue purposes, Bema Gold also took a Komatsu D155AX-5 dozer with Allied H12A winch. Despite the ice and

cold, the H12A winch worked perfectly. The extreme arctic conditions weren't enough to stop this winch.

Richard Matson, Kupol project construction manager for Bema Gold, says that "we were especially impressed with the way the machines handled the brutal cold on the trip up here. The arctic packages that Modern installed really did the job."

The H12A is Allied's newest entry into the field of hydraulic towing winches for crawler dozers. With changing technology, such as hydrostatic design, some of the newer dozers are no

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longer equipped with PTO shaft. The hydraulic winch is the best option for meeting the demand for towing winches on dozers without PTO shaft.

The winch obtains hydraulic power from the ripper hydraulic circuit and uses the ripper control lever to operate the winch. The ripper hydraulics power the winch motor, which drives a planetary gear train connected to the winch drum. There are no clutches to apply, which makes for smooth, shock-free application of the tractive force.



The equipment from Modern Machinery carried everything needed to sustain itself in the isolated Russian wilderness in 40-below weather. (Source: Modern Machinery Update magazine, June 2004.)

The hydraulic winch has the ability to operate at any line speed from zero to its maximum, and deliver full pulling power throughout its speed range. This feature makes it especially valuable for rescue work and for any application where precise line positioning is important.

For greater flexibility, the motor has two speeds. An electrical pushbutton switch controls on-the-fly shifting from slow to fast operation.

The H12A winch is suitable for dozers from 200 to 400 HP.

Scott Did It!

Cambria Helps Improve New Winch Mounting

Teamwork—easy to talk about, harder to practice, fantastic when it works. But a recent example proves that teamwork makes for winners for all parties. We're proud to have W. Scott Schmidt of Cambria Tractor in Ebensburg, Pennsylvania on our team.

With the introduction of the Case K Series dozers, a design change in the dozer made for a difficult installation of the control lever on the Allied W3C winch. Cambria could have easily thrown the problem back to Allied, and waited for us to complete the engineering change we were working on.

But those mechanics in Pennsylvania are made of tougher stuff, it appears. Scott Schmidt analyzed the problem, and figured out a way to make the handlever work using mostly standard Case spare parts. The customer received his winch right on time, thanks to a little innovation.

The real teamwork came with Scott sharing his insight with us. We were able to adapt our design to incorporate some of Scott's suggestions. All Case dealers who install our W3C winch on K Series now are enjoying the benefits of Scott's contribution.



Territory Manager Allen Johnson (left) presents Cambria's W. Scott Schmidt with an Allied jacket as a token of our appreciation.

Order Wire Rope With Your Winch

To help simplify the winch buying process, Allied is now offering wire rope. This is top-quality rope, made in the US. It is supplied with the correct size ferrule, and cut to the correct length for each winch. The pulling end is outfitted with tail chain and hook.

To protect the wire rope, it is shipped in a coil, securely strapped to the winch, rather than coiled onto the drum. This way, the winch can be lifted by the drum center without

damaging the wire rope. Once the winch is installed, the wire rope can be installed under tension for a proper wrap.

As a further benefit to our dealers, we are offering the wire rope through our Parts Department as well. The next time you need wire rope, whether for winch or skidder, you can discuss your requirement with one of our representatives.



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