

Maskinia AB, with its head office in Linköping, is the general agent in Sweden for Doosan, Moxy, Everdigm and Terex. We offer a wide range of machines for industry, material handling, forestry and construction work all year round. Our main facility exhibits both new and used machines in a 13,000 m² display area. With branches in Stockholm/Sollentuna and Staffanstorp and a well-developed network of retailers and service workshops, we can offer complete geographic coverage of Sweden.



“One machine part is nothing in a machine that costs millions – but it’s everything when there’s a breakdown!”

“Not all the elements in a forestry or construction machine require Expander®System. But many definitely need Expander to do the machine justice,” comments Lars Malmén, Aftermarket Manager at Maskinia in Linköping. Our niche is supplying a high level of function and reliability. It is therefore obvious for us to recommend Expander®System, particularly for exposed, strategically important elements.

“We are general agents in Sweden for a number of leading global brands such as Moxy, Everdigm, Terex and Doosan. All these machines have first-rate quality and reliability. But despite meticulous maintenance, not all parts will last forever, and this is where the Expander system really offers huge benefits,” emphasises Lars. “Both in keeping down the costs of the actual repair and, above all, in preventing any future unplanned stoppages.”

A good example of this is the TAKE – JOB TB 1140 which we currently have in for repair.

“The machine had run for 3,700 hours and it was high time to replace the boom mounting, a hinged unit that provides both axial and radial load. All the work, including dismantling the old axles and bearings, took 6 hours, with the dismantling accounting for around half that time. Compare that with the 3 – 4 days it takes to replace a traditional axle including, for instance, material application and line-boring.

6,000 extra operating hours as a bonus!

“The Expander system admittedly costs more than a traditional axle, but if you include repair time and stoppages with loss of income, the difference is clearly to the advantage of the Expander system. If you add the fact that Expander offers a 10-year function warranty, you can count



on at least 10,000 problem-free operating hours – compared with the 3,700 that is regarded as normal for a traditional axle.”

Time is everything for anyone in the industry.

“I joined Maskinia in 1999,” says Lars Malmén, “and at that time I started working in a partnership with Expander that had been ongoing since Maskinia started up in 1986. At that time Expander was not a familiar name in the industry, but knowledge has improved over the years – as has Expander’s ability to serve its customers. As mentioned, time is everything to anyone in our industry and in that respect the company has really come a long way, with both its stores management and ordering service via the internet, Expander®SystemOnline,” concludes Lars Malmén.

Expander®SystemOnline

With over 25,000 different item numbers in our product catalogue, we can always supply bolts in most standard dimensions. You can use our Expander®SystemOnline ordering system around the clock, via the Internet, to order the exact spare part you need quickly and easily.

For more information, visit www.expander.se

Around 6,000 extra hours of operation into the bargain.

The job involved a TAKE – JOB TB 11 40 which had run for 3,700 hours. One interesting problem was the location of the hydraulic hoses between the two mountings. Normally, the Expander system is expanded and fixed by tightening both ends of the bolt. In this case, in order to avoid wear to the hoses, a solution was selected with a flat, in principle, lock nut on the hose side and a screw for one-sided tightening on the opposite side.

The principle is standard, but to compensate for the joint play, a special dimension needed to be adapted for both bearing lug and sleeves.



1. The old axle has been removed. Despite joint play and some ovality, the new Expander system can be fitted without line-boring or material application



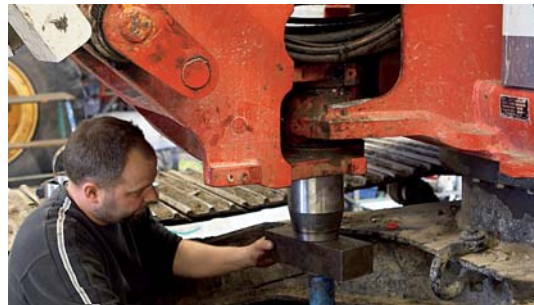
2. Removed broken bolts and bearings.



3. The Expander system is ready for assembly. Note the hexagonal recess in the bolt end and corresponding profile on the inside of the lock nut.



4. Position the bolt correctly for insertion and push into place using a jack.



5. Note the position of the hydraulic hoses by the top fastening eye.



6. The bottom expansion sleeve is put in place. Tightening and re-tightening is carried out from below.



7. The Expander system is in place. The completely flat, in principle, lock nut sits in the centre of the hose coil – without “chafing”



10 year function warranty on Expander®System

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