

## **SUMMARY**

The accident occurred on 11 August 2018 in conjunction with a landing at a private airfield at Othem in Gotland. The aircraft was a model Bölkow BO 208 C Junior. The pilot was alone on board.

According to the pilot, the aircraft bounced during the landing, after which the touchdown occurred on all three wheels. After rolling approximately 200 metres, the nosewheel came off, the aircraft nosed over and ended up on its back. The pilot was able to leave the aircraft unharmed, whereas the aircraft sustained substantial damage.

An investigation of the nose landing gear has shown that a gas spring had been replaced with a spring assembly which meant that the nose landing gear was completely without damping. Calculations showed that the nose landing gear was subjected to a vertical force equivalent to 3.4 G, which is a very hard landing.

The accident was caused by a hard landing on an uneven runway, in combination with the lack of a damping function in the nose landing gear.

### **Safety recommendations**

None.