

Loss Bulletin

Vero Equipment Breakdown Insurance



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Fatigue has a big impact on extrusion press

Loss details

Nature of business

Metal container manufacturer

Type of equipment

Impact extrusion press

Age of equipment

19 years

During an otherwise uneventful night shift the press operator noted an unusual sound coming from the press, which they immediately notified to the shift fitter. It was quickly established that there was an issue with the drive mechanism, and that the press could no longer be operated.

In consultation with its Italian manufacturer, the press was disassembled and the maintenance staff found that the crankshaft had cracked at the journal near the crank web.

The crankshaft and associated parts were sent out for metallurgical analysis, which identified that the crankshaft had failed through torque fatigue. The catastrophic crankshaft failure also subsequently damaged other mechanical components of the press.

Replacement parts were ordered right away, however they had to be manufactured, and it was 6 weeks before the replacement parts and the manufacturer's technician arrived and the repairs were able to be commenced.

In total, production was impacted for approximately two and a half months.



Final loss

Settlement amount \$380,300, which included \$133,000 for Business Interruption

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