

Creating Irregular Shim for Tracked Skidder Axle

ID: 9589

Industry: Other
Application: GSS-Gaskets, Seals and Shims
Substrate: Carbon steel
Products: Belzona 1111 (Super Metal)

Customer Location: British Columbia, Canada
Application Date: July 2021

Problem

A tracked skidder used in forestry had sustained damage which distorted the frame, causing one track drive to be slightly out of alignment even after the frame had been straightened,



The final drive housing seat is not damaged, but it is out of alignment due to frame distortion. The mating surface will be cleaned and prepped with a mechanical blaster and all bolt holes corked, then Belzona 1111 will be applied over it.

A final drive housing with the mating flange coated with release agent is used as a former to create a new, properly aligned seat.

The drive housing is installed immediately after the Belzona 1111 is applied, and aligned while the product is still soft. Excess material is exuded, and it is allowed to cure.

When the drive housing is removed, the new, properly aligned seat is revealed.

Application Situation

Belzona offered a relatively fast and considerably less expensive option of properly aligning the final drive housing; the alternative was to strip the frame completely and attempt to re-straighten the frame, which would have taken several days and may or may not have been successful.

Application Method

No special tools were used, aside from a Bristle Blaster for surface preparation.

Belzona Facts

This was the only real option for the customer other than a complete rebuild.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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