



Summary

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| Industry: | Packaging - Other |
| Application: | Drives Carriage |
| Actual Saving: | Improved efficiency |
| Payback Period: | Immediate |



A Fenner Solution to Secure Pulley Shaft

ERIKS identified and rectified pulley shaft fixing for customer using Fenner

ISSUE

A packaging material manufacturer in the North of England had a problem with a gearbox pulley arrangement which drives a carriage.

The drive arrangement experiences frequent stop/starts and direction changes. This arduous duty cycle was causing the pulley mounted on the gearbox shaft to slip and lose drive synchronisation. The pulley had been secured to the shaft by means of a taper bush, but this was not proving satisfactory.

SOLUTION

ERIKS were contacted and proposed an alternative method of securing the pulley to the shaft. A new pulley was supplied and machined to suit 2 FenLock keyless shaft fixing devices. The FLK133 version has a locating collar which allows precise positioning of the items inside the machined bore of the pulleys.

The new pulley and FenLocks were fitted to the existing gearbox shaft and there is now trouble free operation with no backlash or slippage.

OTHER BENEFITS

- High torque capacity, allowing the ability to withstand alternating loads with no backlash
- Easy to install, reduced downtime
- No axial movement on the shaft
- Keyless fitting, can be used on the shaft with damaged keyway
- No fretting corrosion

FURTHER COMMENTS...

The simple installation meant downtime was able to be avoided. The reliability delivered by the Fenner Shaft Fixing improved overall efficiency.

MORE INFORMATION

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