



Summary

Industry:	Rail
Application:	Compressor Testing
Actual Saving:	£n/a
Payback Period:	n/a



In-house Problem Solving Solutions

Engineering expertise provides alternative drive solution

ISSUE

A Liverpool company who manufacture and refurbish railway rolling stock, successfully won an order to refurbish compressors from an American railway company.

The compressors were much larger than the ones they had done before and required a means of testing them once they had been refurbished. The customer contacted ERIKS Liverpool who arranged for Nigel Jones, Drives Technical Specialist, to make a site visit.

SOLUTION

The customer had initially thought that they wanted to drive the compressor via belts and a motor located beneath the existing test bed. The problem with this set up was the access issues to correctly tension the belt drive.

After consultation, it was decided to use a Fenner Series M directly coupled to the input shaft of the compressor. This involved designing a special bespoke adaptor as the input shaft to the compressor was tapered.

Utilising ERIKS in-house machining facilities, the adaptor was manufactured thus enabling a standard Fenner HRC coupling to be used to connect the geared motor to the compressor.

OTHER BENEFITS

- In-house machining facilities for bespoke solutions
- Rugged, reliable product supplied for continuous operation
- Experienced in-house engineers and problem solving capabilities

FURTHER COMMENTS...

Overall, the package involved a 30Kw Fenner Series M inline geared motor, 30Kw star/delta starter, HRC230 coupling and bespoke tapered coupling adaptor.

MORE INFORMATION

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