



Summary

Industry: Metals
Application: Magnet Belt Drive
Actual Saving: £n/a
Payback Period:



The Compact, Powerful Solution from Fenner
 Fenner Torque Drive PLUS 3 belts deliver load transmission without lubrication

ISSUE

A large steel manufacturer was experiencing on-going problems with one of their drives. The chain drive on a conveyor belt which carries magnets above main coal/coke conveyor was failing prematurely on a regular basis. The working environment was not conducive to providing long chain drive life, being both dry and inaccessible, therefore not easily lubricated and a "magnet" for any coal dust which aggressively attacks the chain.

SOLUTION

Following an inspection of the application, Dave Johnson, Drives Technical Specialist, advised changing the type of drive moving away from a chain solution that requires lubrication and periodic maintenance, to a synchronous belt drive using Fenner Torque Drive PLUS 3.

Fenner TDP3 is more than capable of transmitting the torque required, and would fit into the same space envelope as the chain drive but would remove the lubrication issues that caused premature failure.

In addition it was suggested that guarding the replacement drive from the direct flow of any dust which might fall from the conveyor belt, may also help increase the life and prolong the efficiency of the new belt drive

OTHER BENEFITS

- Dramatically reduced drive maintenance
- Highly efficient drive - up to 96% efficient
- Dry solution, no oil anywhere near the conveyor

FURTHER COMMENTS...

The drive is now running trouble-free, and following the suggestion by ERIKS, they have also installed a new guard to help reduce dust ingress.

MORE INFORMATION

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know-how makes the difference

