

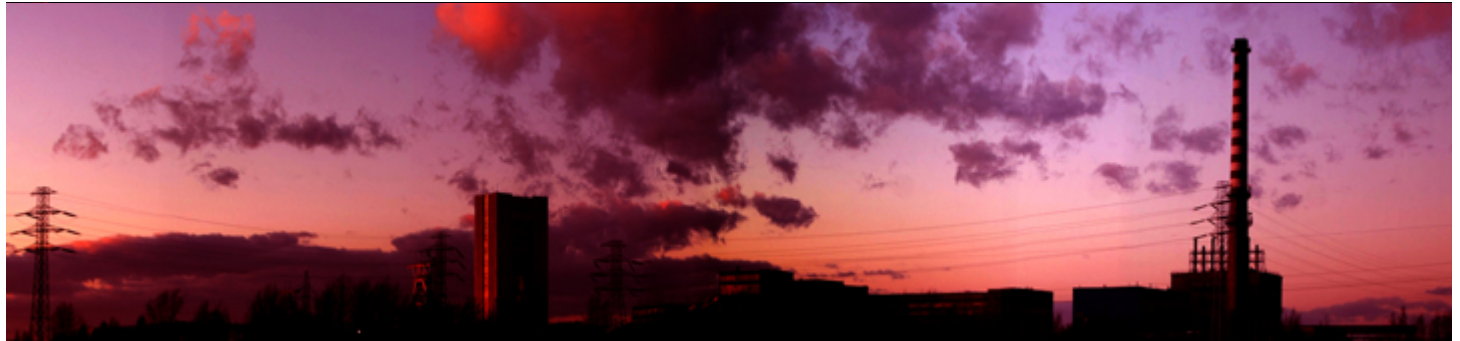


Summary



Industry:	Waste & Recycling
Application:	Mixer Tank Drives
Actual Saving:	£8,000
Payback Period:	1 month

Fenner®



Fenner Series M Perfect for High Load Applications

Providing high efficiency and reliability

ISSUE

A recycling company had a large mixer tank to keep product in suspension. Driving this was a large spur gearbox and open gears onto a gear ring which drove the blades. Over a short period of time, the gearbox had a number of failures, one being cracking the bearing casings. These had to be rebuilt.

SOLUTION

The customer had looked at the capacity of the unit and determined that it was not the correct size to transmit the power. A replacement gearbox from the original manufacturer was going to be circa £20,000.

The ideal unit would have been a bevel helical gear unit but this didn't give the customer the required overhung load on the output shaft (final drive is via pinion onto ring gear).

An alternative unit was specified, a Fenner Series M with flange mount to suit the customer's fabrication which did exceed the overhung load requirements. The customer also wanted to drive via two units at 180° which was easily accomplished with the new Series M units.

OTHER BENEFITS

- Large overhung load capacity of the inline geared motor unit
- Due to the compact nature of the unit, the external open gear drive is not needed which means less maintenance
- Unit is kept under less stress because of dual drive being used

FURTHER COMMENTS...

Being able to look at a range of gearbox options rather than just one manufacture meant ERIKS could offer the most effective selection for the customer's requirements.

MORE INFORMATION

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