



Summary



Industry:	Utilities
Application:	Screw Conveyor
Actual Saving:	£undisclosed
Payback Period:	undisclosed

Fenner®



Fenner Dry Fit Solution Reduces Contamination

Dimensionally interchangeable, no engineering rework needed

ISSUE

A large Water Authority in the North of England was up rating one of their sludge conveying systems. The existing gear unit had a motor that fitted directly on to the gearbox with the drive pinion mounted on the shaft. This exposed the motor to the oil within the gearbox and had previously resulted in failures due to oil ingress in the windings. As the motor was specially manufactured to suit the gearbox, spares were proving both difficult to obtain and expensive. ERIKS were contacted to offer a cost effective alternative to fit into the same space envelope.

SOLUTION

A site visit was arranged for the ERIKS Technical Engineer to identify the drive; this revealed it was a European Standard Helical Worm Gear Motor. After a discussion with the Customer a new Fenner Series C Gear Motor Unit, size 872, was recommended.

The Fenner range of gear motor units are interchangeable with many of the other leading European Manufacturers, they also utilise a standard IEC motor and dry fit adaptor as standard on all types and sizes

To improve the operation of the drive ERIKS also recommended a Fenner QD: E inverter, this enabled the conveyor speed to vary dependent upon the loading requirement.

The new Fenner items have been installed and the conveyor is running as expected.

OTHER BENEFITS

- IEC Standard Motor - Immediate availability, reduced replacement cost
- Gear Unit "Dry Fit" Adaptor - Greatly reduce the risk of oil ingress and contamination
- Dimensional Interchangeability - No engineering rework needed
- Fenner QD:E Inverter - Precise speed control, easy set up.

FURTHER COMMENTS...

There are more of these units to be up rated and the Fenner Drive Package has now been specified as part of the upgrade.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk