Case Study

Motors, Gearboxes & Drives

Summary

POSITIVE WASTE REDUCTION

Industry:	Quarrying & Mining
Application:	Drier Unit for Asphalt plant
Actual Saving:	£20, 000
Payback Period:	N/A

ERIKS identify solution for Quarrying customer

Frequent gearbox failures on site solved by ERIKS

ISSUE

A customer was experiencing issues and frequent failures with the current set up of their geared motor on their drier plant. The conditions these products operate in is extremely dusty, hot and is continually stopping and starting.

With the process being so critical to the operation of the quarry and the fact there were three of these plants, breakdowns were very costly. Spare components were on a long lead time which exacerbated the situation.

SOLUTION

ERIKS, having recently taken over the contract, were approached to identify a solution to the frequent failures. All dimensions had to be similar to the existing units due to space restrictions and the drum rolling inches from the gearbox casing.

After careful consideration ERIKS suggested a Fenner Series K unit with shafts made to suit. The efficient yet flexible bevel helical drive not only saves energy and reduce running costs, but has a high load carrying capability. The unit has been running trouble-free for two years and although a spare unit was purchased there have been no failures.

OTHER BENEFITS

- Increased thermal rating
- Increased power rating
- Stock available within a few days as opposed to 20 weeks
- Robust construction, reduced maintenance costs

FURTHER COMMENTS...

ERIKS application experience allowed a quick, yet long term solution to be provided for a long standing problem.

MORE INFORMATION

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know-how makes the difference

ERIKS