



Summary

Industry:	Food and Drink
Application:	Plant Cooker/Coolers
Actual Saving:	£39,840
Payback Period:	N/A



Food plant oil leak solved by ERIKS know-how

New maintenance procedures give manufacturer £6k annual savings

ISSUE

A food manufacturing plant had an issue with seven 22kw motors and gearboxes leaking up to 2.5l of oil each month. The units were located in elevated, hot and steamy environments. All units were fitted with viton double lipped seals so the solution appeared to be the supply of new units. The consequence of the oil leaks could have been product contamination, Health & Safety issues with COSHH legislation, plus slips, trips and falls in the workplace.

SOLUTION

New custom units were quoted for the application at a cost of £5,000 each. Subsequently an ERIKS Application Engineer was called to site to investigate the issue and they found: Shafts were pitted not giving a flush seal surface, alignment was incorrect after overhauls, sprockets were not being changed on overhaul and grease was not being used between the seals. To improve the surfaces of the shafts, SKF speedy sleeves were used and grease put between the seals. This has been adopted as an EMS Aintree ERIKS workshop standard for this type of application. As a site standard, training and coaching was given by the ERIKS Application Engineer to the fitters. An SKF Laser Alignment Tool has been trialled for the installation of motors and gearboxes and the sprockets have been made a stock item.

OTHER BENEFITS

FURTHER COMMENTS...

The procedures put in place by both the EMS workshop and the client has resulted in a substantial cost avoidance solution of £35,000. It has also realised a saving of £6,240 through reduction in maintenance costs bringing the total benefit to £39,840 minus the cost of repairs.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk

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