



Summary



Industry:	Fossil Fuel Power Generation
Application:	Boiler Drum Doors
Actual Saving:	£n/a
Payback Period:	n/a



Correctly specified gasket cuts downtime

ERIKS Gasket Technology recommend the right gasket for the job

ISSUE

Rugeley Power Station were experiencing leakage problems on their boiler drum doors. With a design temperature of 520 degrees celcius at 190 Bar, the currently utilised oval tanged steel graphite gasket systematically failed after a few weeks due to the severe conditions and constant thermal cycling from ambient up to the elevated operating conditions. This problem was not only costly due to replacing the gasket, but contributed to considerable operation downtime.

SOLUTION

Engineers from ERIKS Gasket Technology advised the selection of Frenzelit Novaphit MST multi layer graphite laminate material. The combination of the expanded and smooth metal inserts allow for a high recovery, adaptable gasket suitable for such demanding thermal cyclic conditions. The advised gaskets were trialled for two months with no issues.

OTHER BENEFITS

- Reduced costs
- Ease of cutting
- Reduced downtime

FURTHER COMMENTS...

MST is now the preferred graphite sheet material at the Power Station.

MORE INFORMATION

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know-how makes the difference

