



TEAM Saves Esso Millions with First of Its Kind On-Line Leak Repair



Overview

A boiler unit at Esso's Fawley Refinery was shutdown for repair when a second unit developed a leak. TEAM provided a first-of-its-kind repair to an on-line boiler saving Esso millions.

Project: Cone roof tank construction at an Oklahoma airport

Location: Esso Fawley Refinery in Fawley, Hampshire, England

TEAM Service: On-Line Leak Sealing and Repair

Need and Challenge: Esso's unit 1 boiler at its Fawley Refinery was shutdown for repair. While unit 1 was shutdown, the unit 2 boiler developed a superheater tube leak.

A repair of the unit 2 boiler was needed or else a major processing unit would need to be shutdown. There was more bad news. The primary superheater tube leak was in the worst possible place – in dead space 102ft above ground level. It was also directing 1690psi of sTEAM on to an adjoining tube.

Solution and Outcome

TEAM installed an erosion shield by crawling into a lethal confined space, protected by an air-cooled suit. After three days of planning and just two hours of work the process was complete.

TEAM completed the world's first repair of its kind to an on-line boiler that resulted in a multi-million pound saving for Esso.

This work may have been performed by a company subsequently acquired by TEAM.

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