



Preventing steam ingress into the bearing housing

A UK oil refinery was having repeated failures on a Coppus 24 Steam Turbine. The original OEM labyrinth seal was ineffective at sealing the bearing housing from the ingress of steam, leading to premature bearing failure.

Steam turbines present a unique challenge for bearing protection, as high temperature and high velocity steam travels down the shaft directly at the bearing seal. Labyrinth seals have proven ineffective at preventing this steam ingress. At this refinery, the ingress of steam would begin immediately after the turbine was refurbished and would see the turbine being removed for repair approximately every nine months.

The LabTecta®66ST is designed specifically to address these issues and the decision to switch was based on knowledge the refinery had on the success of the LabTecta®66ST at another refinery. The success of the LabTecta®66ST on this installation has seen AESSEAL® awarded a contract to replace all current labyrinth seals with the LabTecta®66ST.



‘Replacing all bearing protection at the refinery’

Industry:	Oil & Gas
Product:	LabTecta®66ST
Application:	Coppus 24 Steam Turbine
Reference N.O:	CH01224

