

ES4011 RT62 exhaust diffuser improvement

Bearing housing and diffuser re-design prevent forward end oil leakage



Engineered solution purpose

This engineered solution eliminates the potential for oil leakage at the forward end of the power turbine bearing casing.

Applicability

All RT62 power turbines

Technical description

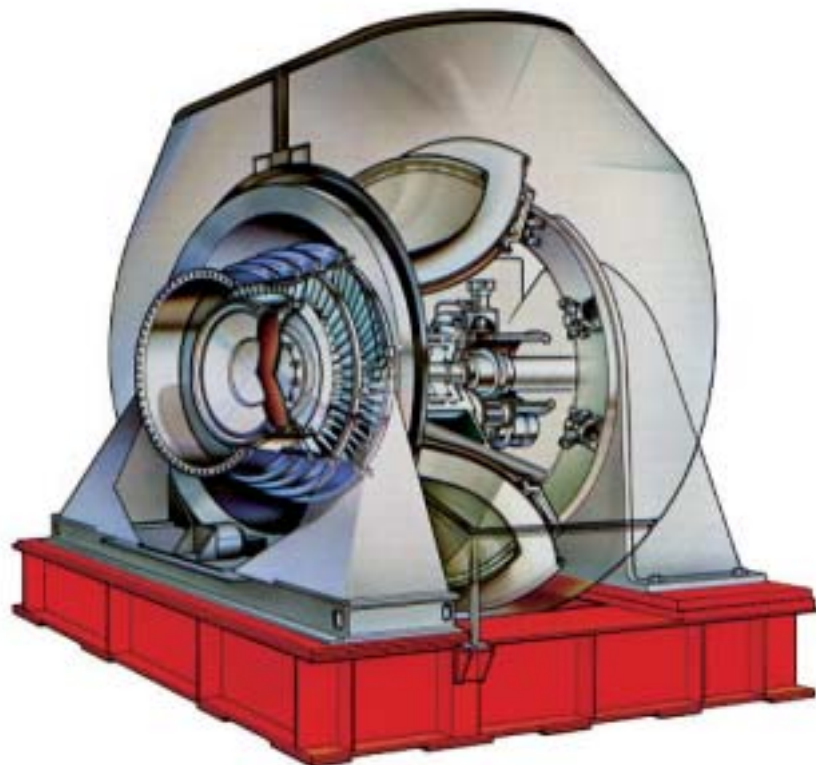
The RT62 bearing housing and exhaust diffuser have been re-designed to remove the risk of oil leakage from between the bearing and hot section.

Benefits

Oil loss is prevented, reducing the need for replenishment and eliminating any prospect of combustion.

Experience

All new RT62 power turbines are being built to this standard.



Scope of work

Replace inner exhaust diffuser support and inner exhaust diffuser. This process requires the complete disassembly of the power turbine.

Bill of materials

Heat shield
Outer inlet diffuser
Bearing case
Power turbine fasteners

Undertaken

At site

Bundling opportunities

RT62 RB211-24G rating upgrade
[ES4013]

RB211 early variant to 24G upgrade
[ES3002]