

ES4007 RT62 rotor tip seal upgrade

Eliminate the prospect of material creep and exhaust gas leakage

energy

Engineered solution purpose

This engineered solution increases reliability and the mean time between overhaul for early release RT62 power turbines.

Applicability

All RT62 power turbines built prior to 1995.

Technical description

By use of the B-1 RT62 first and second stage honeycomb seal and casing upgrade kit, improvements are made to the power turbine casing and rotor tip seals.

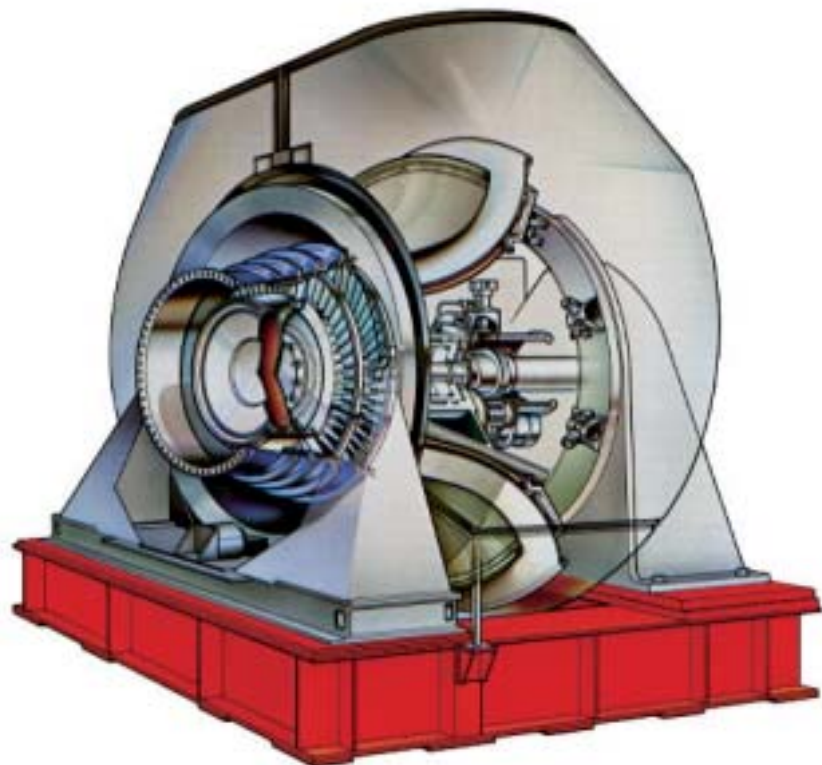
Benefits

By eliminating the possibility of casing movement, the associated creep problem is removed and the potential for second stage exhaust gas leakage is prevented. The upgrade meets the current RT62 second stage build standard.

Experience

A partial list of customers who have chosen this engineered solution includes:

- Conoco - 4 units
- TCPL - 10 units +
- PG&E - 3 units
- Occidental Permian - 1 unit
- BP Anschutz Ranch - 2 units



Scope of work

First and second stage tip seals and casing arrangement. Many power turbines will only require the second stage upgrade.

Bill of materials

- First and second stage tip seals
- Second stage vane casing
- Second stage blade casing
- Retainer rings
- Fasteners

Undertaken

At site

Bundling opportunities

- Power turbine overhaul
- RT62 RB211-24G rating upgrade [ES4013]
- RB211 early variant to 24G upgrade [ES3002]