

ES4015 Power turbine auxiliary drive retrofit

Allowing lube oil pump to be relocated away from compressor housing



Engineered solution purpose

This engineered solution introduces an auxiliary drive to the power turbine for the addition of a lube oil pump.

Applicability

All RT62/RT56/RT48S/RT48 power turbines

Technical description

Install gearing and output shaft onto the power turbine rear bearing housing.

Benefits

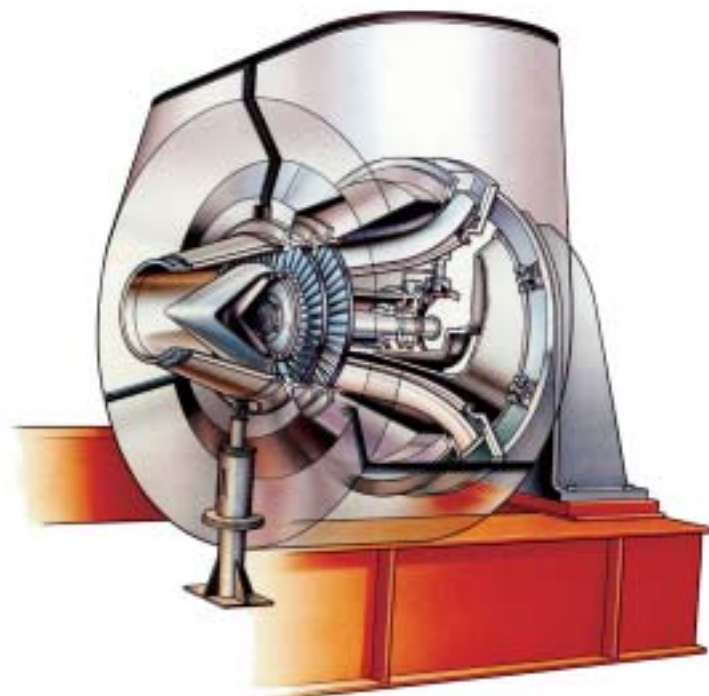
This upgrade relocates the main lube oil pump from the compressor housing on many older units, which is sometimes a requirement due to aero compressor changes.

Experience

PG&E - 7

Scope of work

Install gearing and output shaft onto the rear bearing housing of the power turbine. With the exception of a few older RT48 units, which may require a new bearing housing, all other power turbines will accept this upgrade with only minor changes.



Bill of materials

Auxiliary gear set
Output shaft

Undertaken

At site

Bundling opportunities

Compressor re-aero [ES5001]
RT48 to RT48S upgrade [ES4001]
Main lube oil system upgrade