

ES2002 Avon Dual Fuel conversion

Increase Avon operational flexibility by adding dual fuel technology



Engineered solution purpose

This engineered solution increases operational flexibility and provides a black start capability.

Applicability

All Avon gas generators.

Technical description

This conversion provides the capability to operate the engine on gas or liquid fuel. Fuel changeover in either direction is possible during steady state operation.

Benefits

Limitations to unit operation arising from periods of fuel depletion or supply interruption can be eliminated due to the ability to run on an additional fuel type. Also, by converting to dual fuel, operating costs can be reduced by allowing the inclusion of interruptible clauses in gas contracts.

Experience

The option to run on dual fuel has been installed on over 70 Avon gas generators.

Scope of work

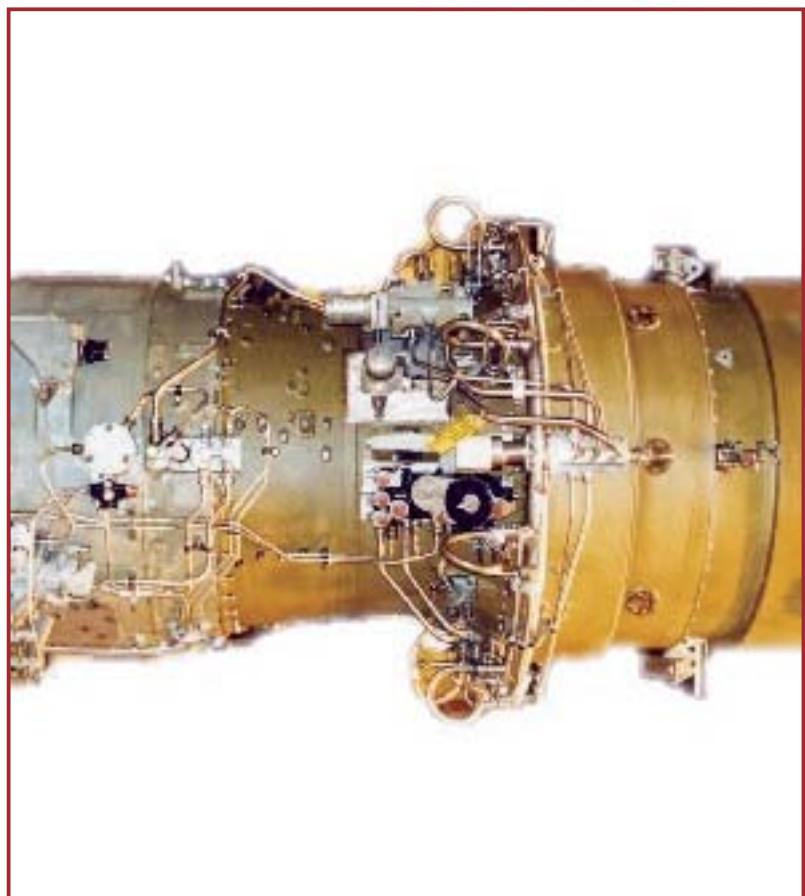
Install dual fuel swirler burner kit [ES2003]

Install liquid fuel manifold

Install fuel valves

Add HP fuel forwarding

Modify or replace controls



Bill of materials

Dual fuel swirler burner kit [ES2003]

Liquid fuel manifold

Fuel valves

HP fuel forwarding skid

Modify or replace controls system

Undertaken

At overhaul

Bundling opportunities

Controls upgrade [ES6006]