

ES1004 501 dual fuel conversion

Reduce overall operating costs by incorporating greater fuel flexibility



Engineered solution purpose

By converting to a dual fuel capability, greater operational flexibility can be experienced. The conversion also provides a black-start capability.

Applicability

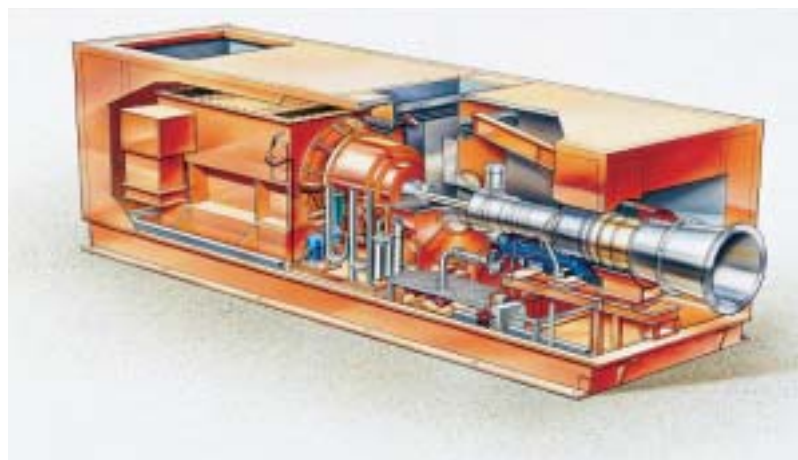
All 501 series engines not employing DLE combustion technology.

Technical description

This engineered solution provides the capability to operate the engine on either gas or liquid fuel. Fuel changeover is possible during steady state operation [from gas to liquid or vice versa].

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.



Scope of work

- Replace combustion liners (if required)
- Replace fuel nozzles
- Install additional fuel manifold
- Install additional fuel valve
- Misc. piping, check valves, gauges, shut off valves
- Control system modification or replacement

Bill of materials

- Combustion liners
- Fuel nozzles
- Fuel manifold
- Fuel valve
- Air raft
- Miscellaneous piping, check valves, gauges, shut off valves,
- Control system modification or replacement

Undertaken

At site

Bundling opportunities

Controls upgrade (ES6006)

