

ES1007 501 starting system conversion

Extend operational flexibility by adding black start capability

energy

Engineered solution purpose

This engineered solution is available in three options:

Diesel hydraulic to electric hydraulic
[ES1007A]

Electric hydraulic to diesel hydraulic
[ES1007B]

Gas starter replacement (ES1007C)

All three options are designed to increase starting reliability

Applicability

ES1007A/B - 501-KB, KB5, KB5S, KB7, KH engines

ES1007C - All 501 series engines

Technical description

ES1007A

The electric motor/pump drives a hydraulic motor, which in turn cranks the engine for starting and for crank wash.

ES1007B

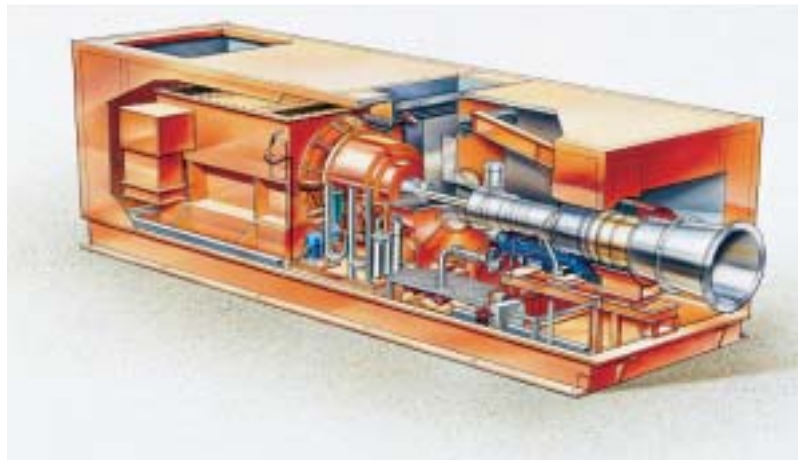
The diesel engine/pump drives a hydraulic motor, which in turn will crank the engine for starting and for crank wash.

ES1007C

The gas starter replacement cranks the engine for starting and for crank wash. The gas starter requires a high-pressure gas source.

Benefits

The diesel hydraulic system and gas start system can provide a black start capability.



Experience

Each conversion has hundreds of units in service.

Scope of work

ES1007A

Replace existing start system with electric motor/hydraulic pump and hydraulic motor

Modify control system.

ES1007B

Replace existing start system with diesel/hydraulic pump and hydraulic motor

Modify control system.

ES1007C

Replace existing start system with high-pressure gas starter.

Modify control system.

Undertaken

At site

Bundling opportunities

Controls upgrade [ES6006]

Complete package refurbishment [ES6001]

