

Avon Lube Oil Console (LOC) retrofit

Provides state-of-the-art Avon lube oil systems for increased reliability and availability.

Engineering solution purpose

This engineering solution improves the availability and reliability of the gas generator Lube Oil Console (LOC) system. This will be the latest and current LOC standard for the Avon.

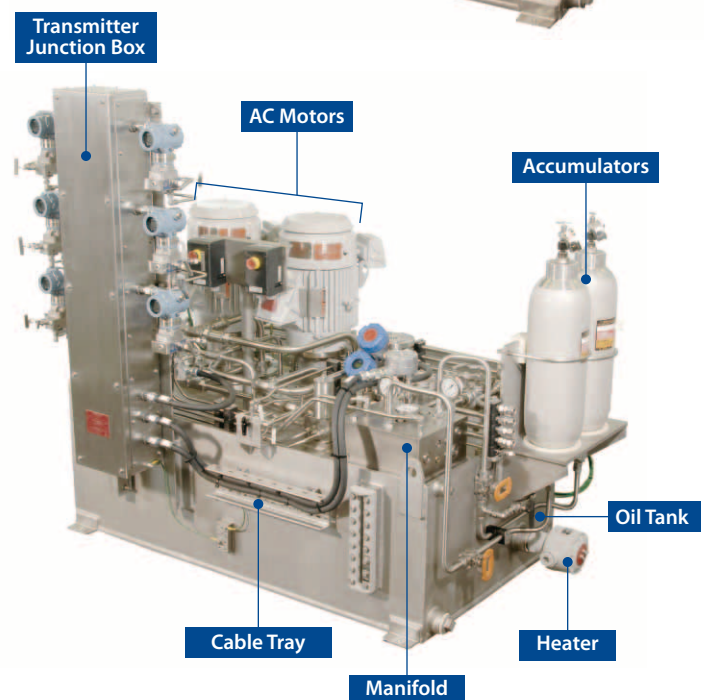
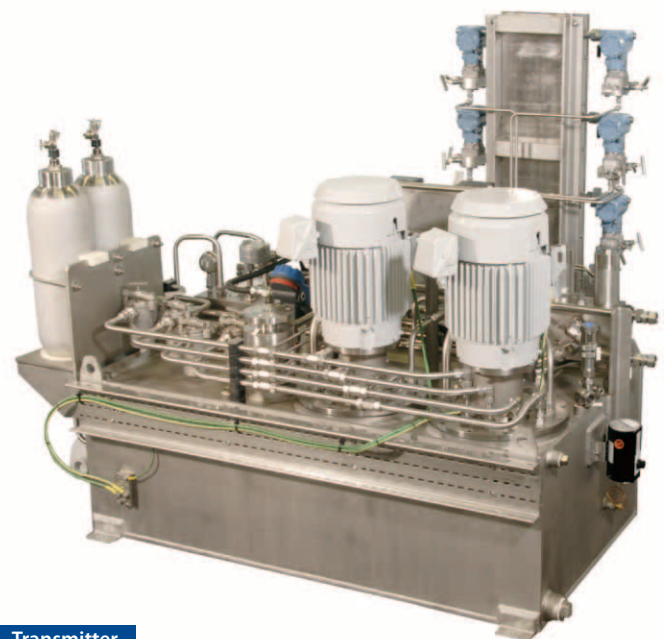
Applicability

All Avon marks of gas generators.

Technical Description

This upgrade modification provides a standardized lube oil system design for Oil and Gas and Power Generation customers with a free standing, state-of-the-art, lube oil console with the following main features:

- Stainless Steel Reservoir with Guided Wave Radar Level Transmitter and Thermostatically Controlled, Side Mounted Reservoir Heater
- Vertical Mounted Electric Motor Driven Submersible Gerotor Multi Section Lube/Hydraulic/Scavenge Oil Pumps with machined spacers to Eliminate Alignment Issues
- Duplex Filter with Transfer Valve
- Transmitter Rack with Digital Indication (In lieu of Gauge and Switch Panel)
- Stainless Steel Mist Eliminator (for remote mounting)
- Lube & Hydraulic Oil Accumulators
- Optional Duplex Plate Type Cooler with Transfer Valve (for remote mounting)
- Thermostatic Cooler Bypass Valve (for remote mounting)
- Accommodate High Degree of Pitch & Roll for FPSO
- Easy Access for Maintenance
- Manifold Valve Technology with Cartridge Type Valves



Benefits

- New design reduces leakage by minimizing Interconnect Fittings thus improving safety
- Stainless steel construction with lower maintenance and eliminated risk of oil contamination
- Replaces Gauge and Switch Panels with a more accurate Transmitter Rack thus increasing reliability

Scope of work

- Remove existing Console, Demister and Cooler (if applicable)
- Install new Console, Mist Eliminator and Cooler
- Rework Interconnect Piping and Tubing

Undertaken

All work is performed at site

Experience

The package standardization uses the same basic configuration of standardized module that is used for the RB211 LOC application. There are in excess of 100 comparable RB211 LOC's in service with thousands of operational hours experience. The first of this type of Avon GG LOC has been manufactured, tested, and installed for a Customer in the Caribbean.

Bill of Materials

- Console Module including Reservoir, Pumps and Motors
- Transmitter Rack (integral or separately mounted)
- Optional Duplex Plate Type Cooler with Transfer Valve
- Thermostatic Cooler Bypass Valve (for remote mounting)
- Mist Eliminator (for remote mounting)
- Control Software and Interface Mods



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