

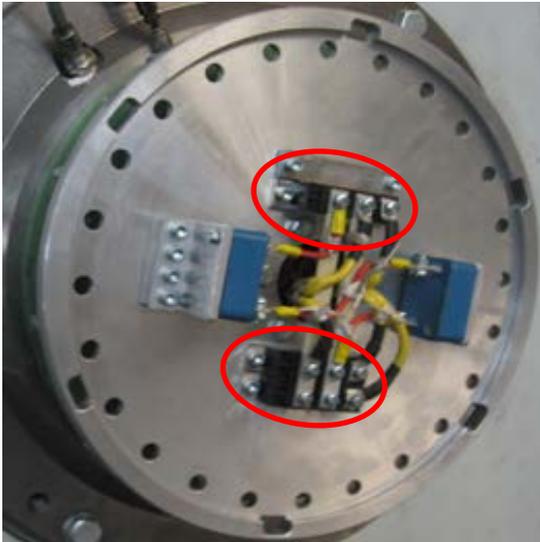
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Distribution list:	Jenbacher Service Subsidiaries Service Service Providers	
Service Technician Instruction		ST-111 8 September 2011

RCA ID 21348 DIG140 Generator – Diode Rectifier Failure

ST-111 refers to the failure of the diode rectifier on DIG140 Generators.

AFFECTED ENGINES

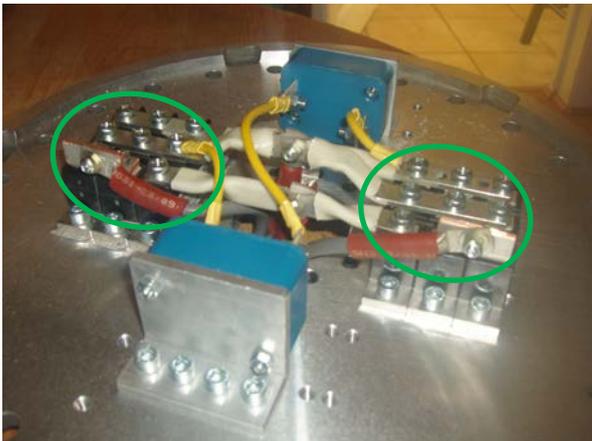
All engines with DIG140 Generator, where diode rectifier has 6 diodes as per picture below.



DESCRIPTION

In a limited number of cases the diode rectifier above could be subjected to a failure.

The solution to the problem has been identified by CGT and GE as a change of the design of the diode rectifier. The redesign is based on the diode plate used at DIG142 with some minor modifications. The new rectifier is shown in the picture below.



The formal communication from the supplier with additional background information and the problem solution has been attached to this ST.

SOLUTION

The affected rectifiers will be upgraded whenever a diode rectifier has failed.

The following measures are identified in order to properly monitor the fleet upgrade:

Each time a diode rectifier fails in a field, a Service Request needs to be loaded. For ORACLE users, the field "Problem Summary" of the SR needs to be filled with the following: "RCA ID 21348: DIG140 Generator Diode Failure". ISupport users need to use the field "Summary". In addition:

- The service request needs to include the following data: Operating Hours of the engine, Design number of the engine, serial number of the engine, serial number of the Generator, description of the failure including note of the any previous diode failures at the same generator.
- Picture of the failed diode rectifier and the newly installed rectifier need to be attached to the Service Request.

IMPORTANT

To allow for traceability and future support in case of upgraded diode rectifier failure, please assure SR is raised as described above. This is required for all affected engines, also the ones that are outside of warranty.

Old Part No (TL**434246**) has been marked OBSOLETE in ORACLE and related to the New Part No (TL**1205199**). The old PN will be set INACTIV shortly.

REVISION CODE

INDEX	DATE	DESCRIPTION / REVISION SUMMARY
01	08.09.2011	First version of this document

Tab. 01: Revision history