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Distribution list Jenbach, Subsidiaries, Service Providers		
Service Technician Instruction	ST-225	12 October 2018

Engine type **J612, J616, J620 & J624**

Subject **LEROY-SOMER LSA56 generator**
Replacement of the AEROTHERM supports and dampers

The Service Technician Instruction ST-225 describes the replacement of the AEROTHERM supports and dampers for LSA56 generators supplied between April 2013 and October 2016 and have been identified with a potential risk of failure.

AFFECTED ENGINES / SCOPE OF THIS BULLETIN

Type 6 engines with LSA56 generator.

PURPOSE OF THIS BULLETIN / NEED FOR ACTION

According to the generator supplier, the AEROTHERM damping supports used during a defined period of time, do not provide sufficient vibration protection and may lead to failures of AEROTHERM motors and must therefore be replaced. All LSA56 generators where these AEROTHERM dampers have been installed have been identified. Jenbacher will contact the affected subsidiaries and service partners to plan and coordinate jointly the dispatch of the rework kits with new parts and the replacement work.

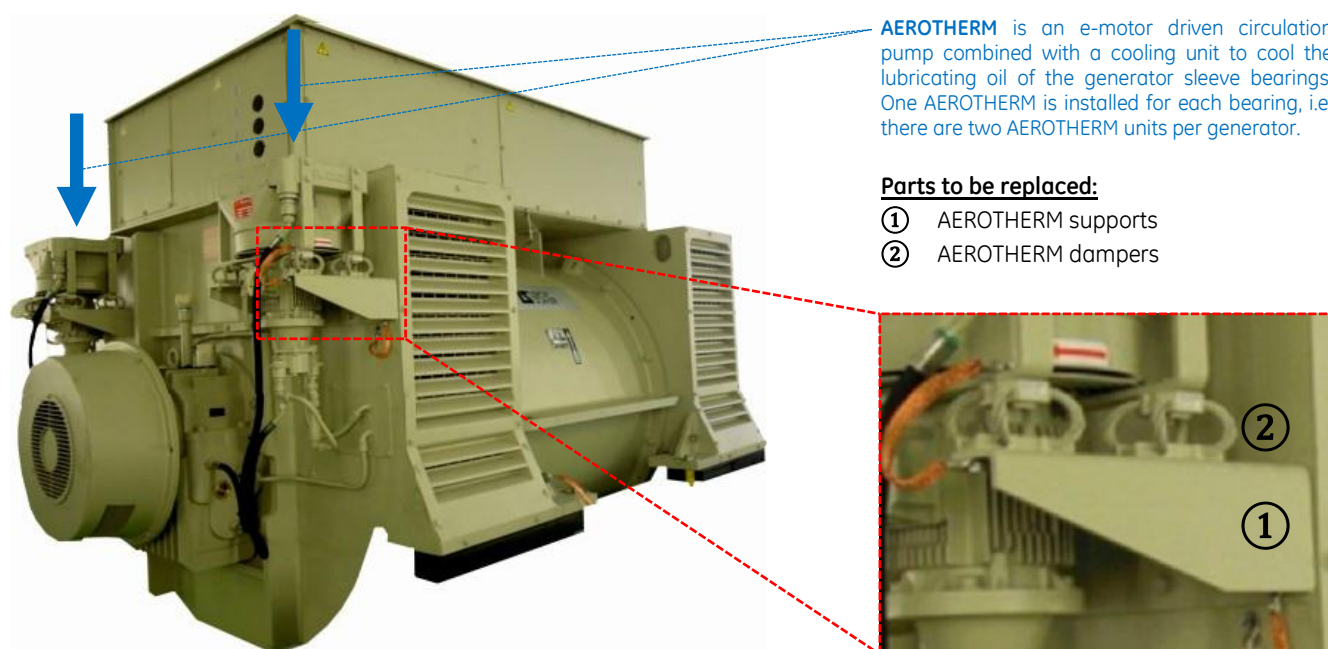


Figure 1: LEROY-SOMER LSA56 generator with AEROTHERM lubricating oil system

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FLEET PROGRAM

Replacement of the affected AEROTHERM supports and dampers is monitored by Fleet Program FP106. As part of this fleet program, Jenbacher will assume up to two (2) hours of normal working time for the work, which must be combined with the next planned or unplanned maintenance of each affected plant. No additional T&L costs (travel and lodging) will be covered. The coverage of costs for up to two (2) hours of normal working time is valid up to and including 31st December 2018. No costs will be covered for implementing ST-225 after that date.

REIMBURSEMENT

Jenbacher will cover the labor hours associated with this upgrade, limited to two (2) hours for units already installed, or units on stock. As this change should be conducted during a regular site visit, T&L will not be covered by Jenbacher. For reimbursement requests, please utilize our Service Request Process.

SOLUTION

ALL SOCITEC MP10 dampers used for LSA56 AEROTHERM damping from every affected generator (identified by Jenbacher and notified to the subsidiaries and service partners) **must be replaced** before 31st December 2018. Replaced dampers and supports can be scrapped.

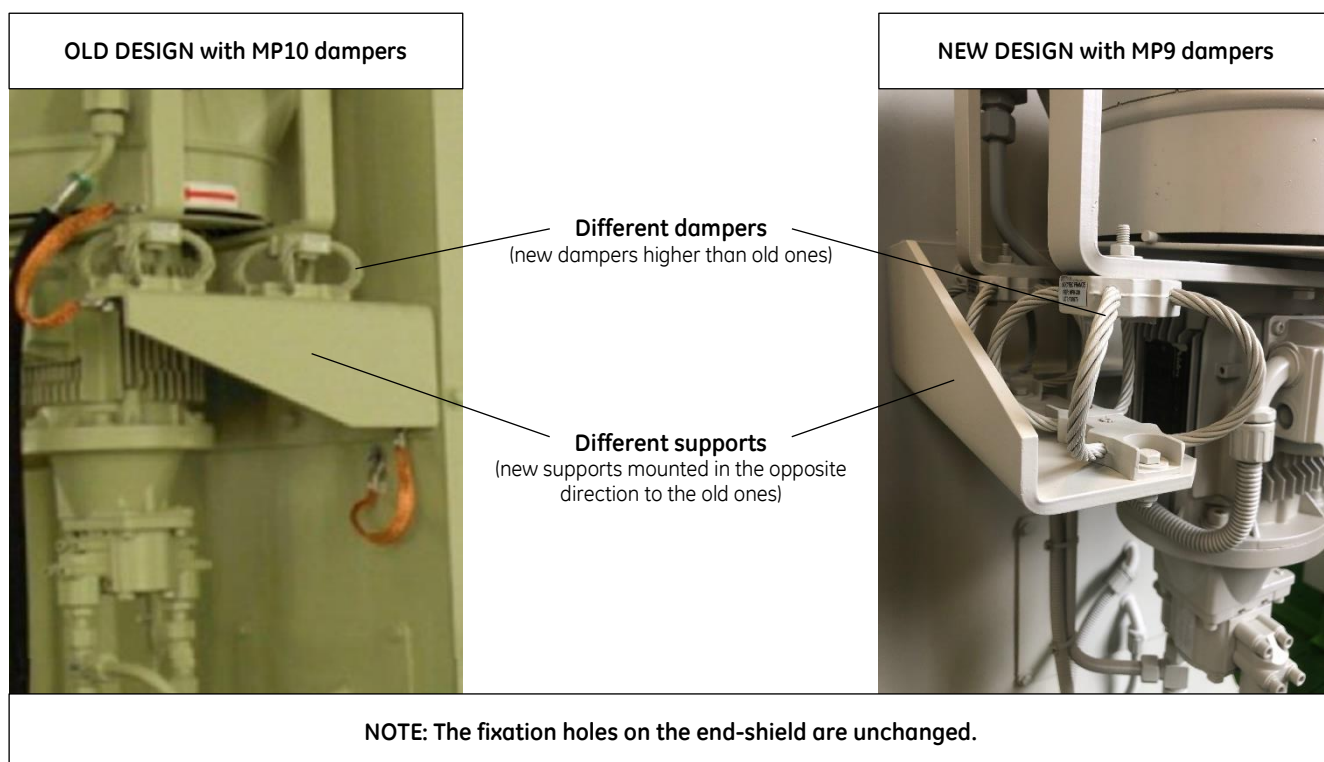


Figure 2: OLD and NEW design of the AEROTHERM supports and dampers

RELEVANT PART NUMBERS

PART NUMBER	QUANTITY REQUIRED	DESCRIPTION
1242442	1 Rework Kit per generator	LSA56 AEROTHERM Rework Kit consisting of: <ul style="list-style-type: none">• 2 AEROTHERM supports SP 256 0405 (green painted)• 8 AEROTHERM dampers SOCITEC MP9-230

Table 1: Relevant part numbers



WORK STEPS

⚠ WARNING



Personal injury

Failure to use personal protective equipment and comply with safety instructions or employee protection information may lead to personal injury.

- Wear the relevant personal protective equipment (PPE).
- Observe the safety instructions as per TA 2300-0005.
- Observe the employee protection information as per TA 2300-0001.

⚠ WARNING



Danger from unauthorised start-up!

- Shut down the engine as described in TA 1100-0105.
- Secure the engine against unauthorised restarting in accordance with TA 2300-0010.



- Carry out the LSA56 AEROTHERM support and damper replacement according to the LEROY-SOMER (NIDEC) Replacement Instructions SAV-SIT-0060 (ST-225_Att-01 in the DP Portal).

CONTACT

For further information or clarifications, please contact your local service department.

RELEVANT DOCUMENTS

When working on Jenbacher modules, all applicable local regulations must of course be observed in addition to our documentation. In relation to this Service Technician Instruction we stress the fact that the following documents must also be observed:

- Technical Instruction TA 1100-0105: Engine shut-down
- Technical Instruction TA 1100-0111: General conditions – Operation and maintenance
- Technical Instruction TA 2300-0001: Employee protection
- Technical Instruction TA 2300-0005: Safety regulations
- Technical Instruction TA 2300-0010: Guidelines for using the LOTO kit
- LEROY-SOMER (NIDEC) SAV-SIT-0060: Replacement instructions for Aerotherm supports replacement (ST-225_Att-01 in the DP Portal)
- LEROY-SOMER (NIDEC) SIT-0060 RevB: Checklist to be filled in when changing the oil cooler dampers (ST-225_Att-02 in the DP Portal)

REVISION CODE

INDEX	DATE	DESCRIPTION / REVISION SUMMARY
01	Oct. 12, 2018	First version of this document

Table 2: Revision history