

IW 8057 M0

NOx measurement

Inspection and Maintenance In- struction

3 2 4 9 2 0 3 1 2 3 1 6 6 2 0 2 3 8 4 2 2 7 5 6 1 3 4 5 1 5 3 6 2 5 4 1

Vedligeholdelsesarbejde

Onderhoudswerkzaamheden
Maintenance work

维护工作

Intervento di manutenzione

Техобслуживание

Εργασία συντήρησης

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GE imagination at work



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1 Scope

This Maintenance Instruction [MI] applies to the following Jenbacher Gas Engines:

- Type 2 engines
- Type 3 engines
- Type 4 engines

2 Purpose

This Inspection and Maintenance Instruction [IW] describes the maintenance interval.

3 Maintenance interval



The ageing of the engine or combustion chamber (deposits in the combustion chamber) is strongly influenced by the fuel gas quality, the oil quality, maintenance of the blow-by filter and the behaviour of the engine when in operation (i.e. load profile and number of starts). This ageing of the engine determines the type of emissions and the emission drift. If there is substantial emission drift from measurement to measurement, halve the interval between NOx measurements and LEANOX setting operations.

Maintenance work	Interval	Work carried out by
	4,000 Oh	
Measure NOx value and if necessary adjust LEANOX setting	■ ²⁾	GE ¹⁾

¹⁾ This activity is to be carried out by GE or a company selected by GE authorised to carry out this work.

²⁾ The following intervals apply after commissioning, replacing a piston and liner, or cleaning the combustion chamber: 1,000 Oh, 2,000 Oh, 4,000 Oh, 6,000 Oh, 8,000 Oh, 12,000 Oh etc.– **see the maintenance plan for the precise intervals.**

Valid for:

Type 2 with maintenance plan A and B.

Type 3 with maintenance plan A, B and D.

Type 4 with maintenance plan A, B and D.

Maintenance work	Interval	Work carried out by
	3,333 Oh	
Measure NOx value and if necessary adjust LEANOX setting	■ ²⁾	GE ¹⁾



¹⁾ This activity is to be carried out by GE or a company selected by GE authorised to carry out this work.

²⁾ The following intervals apply after commissioning, replacing a piston and liner, or cleaning the combustion chamber: 1,000 Oh, 3,333 Oh, 6,666 Oh etc. – **see the maintenance plan for the precise intervals.**

Valid for:

Type 2 with maintenance plan C.

Type 3 with maintenance plan C.

Type 4 with maintenance plan E.

4 Safety information

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 Technical Instruction 2300-0005.
- Observe the employee protection information as per Technical Instruction 2300-0001.

5 Additional information

Relevant documents

E 8057 - Operational data sheet – NOx measurement

TA 1400-0300 - Instructions on NOx measurements and LEANOX settings

TA 1503-0041 - Engine adjustment instruction, extended Leanox control, type 2/3 engines gas mixer for DIA.NE XT

TA 1503-0042 - Engine adjustment instruction, extended Leanox control, type 2/3 engines TecJet for DIA.NE XT

TA 1503-0043 - Engine adjustment instruction, extended Leanox control, type 4 engines for DIA.NE XT

W 8056 M4 - Combustion chamber

6 Work steps

6.1 Check the NOx value and adjust as necessary

This activity is to be carried out by GE or a company selected by GE authorised to carry out this work.

See also TA 1400-0300 (keep the Technical Instruction after completing the training).

7 Revision code

Revision history

Index	Date	Description / Revision summary	Expert Auditor
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Revision history

2	15.05.2017	Wartungsintervall ergänzt / Added maintenance interval Relevante Dokumente hinzugefügt / Added relevant documents Anwendungsbereich auf Baureihe 2, 3 und 4 erweitert / Extended scope to type 2, 3 and 4	Fuchs J. <i>Boewing R.</i>
1	22.05.2013	Erstausgabe / First issue	Bilek <i>Engensteiner</i>

