

BHKW Service Deutschland GmbH



BHKW Service Deutschland, Waldstraße 13, 29475 Gorleben

introduction

BHKW Service Deutschland GmbH is a company operating in the field of combined heat and power (CHP) services, both domestically and internationally. Founded in 2016, BHKW Service Deutschland GmbH has many years of experience in the planning, installation, maintenance, and repair of CHP plants powered by gas engines running on natural gas and special gases.

Assessment of a gas engine system for

Kandlin Stromerzeuger-Ankauf GmbH, Körtener
Str. 13, 51465
Bergisch Gladbach

Date and location of the assessment

Tuesday, April 21, 2026 in 01616 Strehla, An der alten Leimfabrik 2. The CHP unit was housed in a warehouse.

Designation of the plant

Gas engine MDE 173 KW engine MAN E2876 LE701

Description of the plant components

The CHP plant consists of a MAN E2876LE701 engine and a generator.

Cooling circuit available.

Mixture cooling circuit present.

Exhaust gas heat exchanger present.

Plate heat exchanger available.

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Condition of the assessment

The combined heat and power plant could not be put into operation because it was not fully assembled. The CHP plant was freely accessible.

Measures taken

Visual inspection revealed that the power plant could not be started because there was no electricity or gas connection and the power plant was not fully assembled.

Persons involved

Tobias Greulich

Documentation submitted for review

no

Assessment of the facility

The mixture cooler is heavily soiled; oil and dirt are clearly visible in the register. Heavy deposits on pistons and valves, significant wear on the cylinder liners. The exhaust system and AWT are heavily contaminated with sulfur deposits. The generator should be repaired, as it is internally dirty and the copper busbars are tarnished.

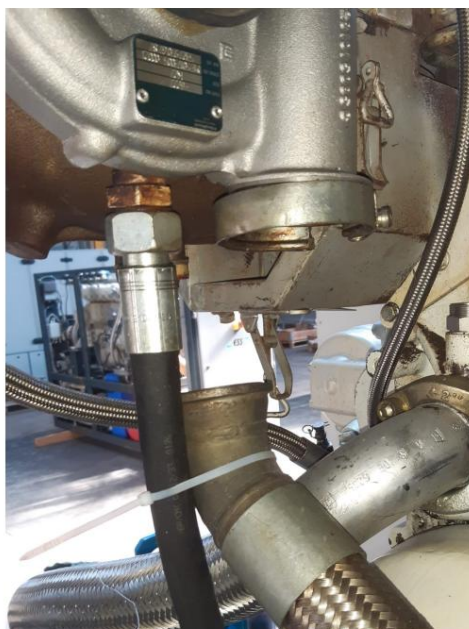
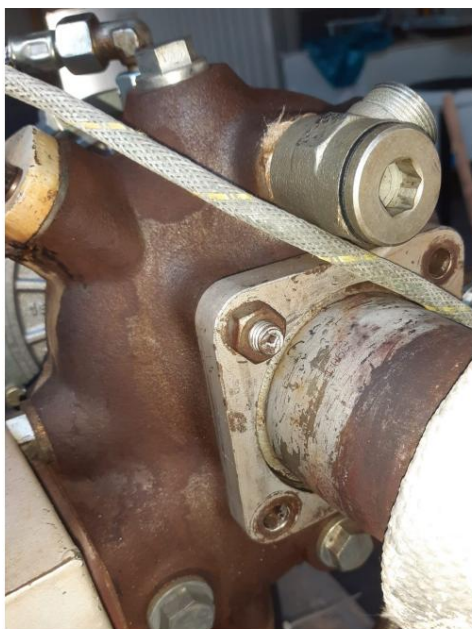


Bank details:



The exhaust gas turbocharger was visually inspected; the bearing clearance is correct.

The exhaust flange of the exhaust turbocharger is missing bolts for fastening.



Several screws are missing from the engine, and the receiver piping is not connected. The crankcase ventilation is only held in place by one screw.

After the defects have been rectified, the CHP unit should be operational again and the CHP unit should generally be able to be operated.

A final assessment of the entire CHP plant is only possible after commissioning; a visual inspection can never capture all eventualities and cannot be a comprehensive repair analysis.

With kind regards

Felix Fröhlich, Dipl. Ing. FH Civil Engineering

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