

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,
Kürtener 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

Sokratherm GG 402 H with 17772 operating hours.

Description of the plant components

The CHP plant consists of a
Engine MAN E2842LE322 Engine number 49244458114442
Generator
Cooling circuit
Mixture cooling circuit
Exhaust gas heat exchanger
Plate heat exchangers

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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.

An endoscopy of the combustion chambers was not possible because there was not enough space in the soundproof booth.

Persons involved

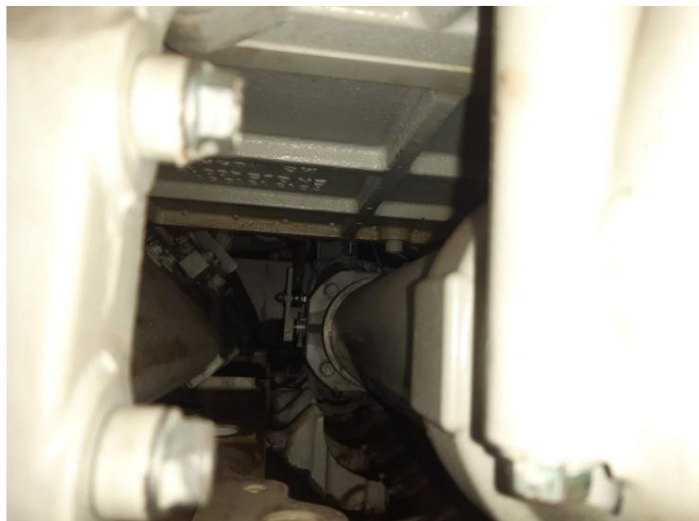
Tobias Greulich

Documentation submitted for review

no

Assessment of the facility

Oil leak from mixture cooler to charge air line: Seal in the lower area is leaking, resulting in oil in the V



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Rubber coupling

porous, cylinder head gasket 1, 2, 3, 4, 7, and 8 leaking – water loss to the outside.



Exhaust gas heat exchanger extremely dirty.



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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