

# 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

2G Agenitor 206 Serial number MH1011B-EGLB-220094

## Description of the plant components

The CHP plant consists of an existing MAN engine.

Generator available.

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 unit stood in the room without connections or batteries. Parts were mostly assembled.

## Measures taken

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

## Persons involved

Tobias Greulich

## Documentation submitted for review

Complete operational logbook available

## Assessment of the facility

Clutch of motor/generator defective, extremely cracked

Crankcase-oil pan connecting plate (yoke) all threads stripped



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**Cylinder liners show minimal wear marks**

**Pistons and valves have hardly any deposits present**

**Exhaust gas turbocharger on the compressor side appears to be in good working order.**

**Combustion chambers filled with oil and oil on pistons**

**Exhaust manifold heat shield not attached**



**The expansion vessel for the engine cooling circuit is missing, as are the connecting pipe and the cap valve.**



**Cooling water inlet and outlet compensators are old and hardened.**



Gas pressure sensor in gas line defective, coolant pressure sensor in engine cooling circuits defective.



Once the defects have been rectified, the power plant can be put back into operation.

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

## Bank details: