

## TECHNICAL SPECIFICATIONS

### 1.1 Replacement of number two bearing on GE gas turbine (General Electric Frame 6 type; model PG-6541 (B))

The replacement of number two bearing is because an increasing temperature has been observed on number two bearing over time (in the past few years).

**Note:** We expect that it is possible to replace number two bearing (disassemble and assemble) without dismounting the exhaust frame. This requires the use of a fixation tool.

The bearing repair is completed by preparing a sufficient report with documentation.

### 1.2 The borescope examination of the Gas Turbine

The borescope examination is part of the recommended maintenance plan from GE.

At the earlier borescope examination, it was observed that the condition of the gas turbine was satisfactory.

The borescope examination comprises approx. 30 inspections on the following positions on the gas turbine: air intake, compressor, and combustor and exhaust system.

These inspections are to uncover the general condition of the unit, taking the below into account:

- Foreign object damage
- Corrosion
- Tip erosion
- Trailing edge bowing
- Foreign object damage
- Blisters
- Erosion cracks
- Missing metal
- Stator blade root erosion
- Carbon build up
- Bulging
- Wear
- Missing thermal barrier coating
- Tip clearance
- Dirt buildup
- Blocked cooling holes Cracks

- Trailing edge bowing
- Burning
- Hot spots
- Cracking

The boroscope examination is completed by preparing a sufficient report with picture documentation.

**Note:** Re the performance of the boroscope examination and the replacement of number two bearing, reference is made to GE's general recommendations for repair and maintenance of gas turbines.