GT operating introduction
for
YAMAMA GT6 - GT9

Contents

1 Introduction 3
1.1 Purpose of this operation instruction
1.2 How to find the information
1.3 Safety information
1.4 Operating instructions
1.5 Distribution
1.6 Responsibility
1.7 Copyright

2 Abbreviations 5

1 Introduction

1.1 Purpose of this operation instruction

This operation instruction is designed as a guide for the operator. The binder is to be seen as one important part of the Final Documentation for the plant, describing how to operate the Gas Turbine. For further information about the documentation structure etc., see the Documentation Overview, binder 1A.

1.2 How to find the information

The operation instruction is built up of several documents, each containing important information for the operation of the gas turbine. The information is:

- Safety information (Operating Safety).
- Basic operation knowledge (Requirements, HMI Description, Display Descriptions).
- Operating instructions (Operating Instructions, Base Position List).
- Periodic Checks (Routine Readings, Operation Statistics and Operation Maintenance Schedule) tells the operator which values to be read during operation, how to registrate the gas turbine performances and when a certain maintenance action is to be performed.

1.3 Safety information

The safety information is given in the document Operating Safety as well as in the instructions when needed. It is the responsibility of the operator and maintenance personnel to be familiar with these documents.

1.4 Operating instructions

Operating instructions are given in this binder for the equipment supplied by Siemens Industrial Turbomachinery AB (SIT). In the document Human-Machine Interface (HMI) Description you will find information on how to get and to give information to/from the control system. In the Operating Instructions, you will find the instructions to operate the Gas Turbine under normal conditions. If an alarm or a trip occurs, you will find step by step instructions in the documents Fault procedures (binder 2B).

1.5 Distribution

This operation instruction is distributed and updated by the Technical Information Department of SIT. Every set distributed to the owner has been registered.

1.6 Responsibility

It is the owners responsibility to insert revisions in the correct place and to delete old editions. The owner is also responsible for ensuring that the contents of the manuals are not disclosed to any unauthorized person. After a revision has been performed, the Record of Revisions (binder 1A - Revision routine) must be filled in.

1.7 Copyright

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2 Abbreviations

The following abbreviations are used in the documentation:

AX	Axial
CS	Carbon Steel
COx	Carbon Oxide
CO_2	Carbon Dioxide
DIFF	Differential
FG	Function Group
GCB	Generator Circuit Breaker
GG	Gas Generator; the part of the machine that produces the high speed/temp gas
GT	Gas Turbine, the entire machine
H	High level = Alarm level, high
HH	High-High level
HP	High Pressure
IGV	Inlet Guide Vane
ISO Condition	Standard Condition
L	Low level = Alarm level, low
LL	Low-Low level
L/O	Lubricating Oil
LP	Low Pressure
MCB	Mini Circuit Breaker
NOx	Nitrogen oxide
P&ID	Process & Instrumentation Diagrams
PT	Power Turbine; the turbine connected to the generator
RAD	Radial
UPS	Uninterruptible Power Supply
VDU	Visual Display Unit
VIBR	Vibrations

REVISION

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