

**TECHNICAL & OPERATIONAL SUPPORT**

**WTG ENGINEERING & SUPPORT**

Generator Technical Report

WTG #WTGNO#

#SITE# Wind Farm

|  |  |  |
| --- | --- | --- |
|  | **Name (Initials)** | **Date** |
| **Dpt: XXX (issued):** | Name | Date |
| **Dpt: XXX (Reviewed)** | Name | Date |
| **Customer Support Engineer (Approved)** | Name | Date |
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# Introduction

The purpose of this Generator Technical Report is to share information, related with the generator incident happened in #SITE# - #COUNTRY# wind farm on the #CREATED#, on the turbine #WTGNO#

# General Data

|  |  |  |  |
| --- | --- | --- | --- |
| Site | | #SITE# | |
| Wind turbine number | | #WTGLOCALID# | |
| Wind turbine type | | #TurbineType# | |
| Commissioning date | | #COMMDATE# | |
| Failure date | | #FAILUREDATE# | |
| Inspection date | | #InspectionDate# | |
| Manufacturer of generator | | #MANUFACTURER# | |
| Serial number | | #GENSERIALNO# | |
|  | |
| Name plate of the #MANUFACTURER#Generator. S/N #GENSERIALNO# | |
|  | |

# Incident description

Elaborate the incidence description manually by re-writing the information detailed below:

|  |  |
| --- | --- |
| Reason for Service | #ReasonForService# |
| Description | #Description# |
| Additional Information | #AdditionalInformation# |
| SBU Recommendation | #SBURecommendation# |

# Analysis

To be filled by technology

Classification of the type of damage and where is allocated.

#CLASSIFICATIONOFDAMAGE#

The following images are related to #MANUFACTURER# generator s/n #GENSERIALNO#:

# Pictures

#TABLE1#

Elaborate an analysis regarding the pictures in the report

#ANALYSISOFPICTURE#

## Electrical Measurements:

**Electrical Measurements in the stator**

Stator Megger:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Voltage: 1000VDC | | | | | |
|
| U - PE [MΩ] | V - PE [MΩ] | W - PE [MΩ] | U - V [MΩ] | U - W [MΩ] | V - W [MΩ] |
| #UGROUND# | #VGROUND# | #WGROUND# | #UV# | #UW# | #VW# |
|
|

Stator Motor Tester: Phase to Phase

|  |  |  |  |
| --- | --- | --- | --- |
| Test for Rotor Coils at 0º (Same scale for all the measurements) | | | |
|
| U1 - U2 [%] | V1 - V2 [%] | W1 - W2 [%] | Scaleused |
| #U1U2# | #V1V2# | #W1W2# | - |
|

**Electrical Measurements in the rotor**

Rotor Megger: Phase to Ground

|  |  |  |
| --- | --- | --- |
| Test voltage : 1000VDC | | |
|
| K - PE [MΩ] | L - PE [MΩ] | M - PE [MΩ] |
| #KGROUND# | #LGROUND# | #MGROUND# |
|

Rotor Motor Tester: Phase to Phase

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test for Rotor Coils at 0º (Same scale for all the measurements) | | | | | |  |
| K1 - M1 [%] | K1 - L1 [%] | M1 - L1 [%] | K2 - M2 [%] | K2 - L2 [%] | M2 - L2 [%] | Scale used |
| #K1M1# | #K1L1# | #L1M1# | #K2M2# | #K2L2# | #L2M2# | - |

Elaborate the analysis regarding the data of the measurements

#ANALYSISOFMEASURMENTS#

# Conclusions

Elaborate a summary with the conclusion of the analysis

To be filled by Technology

#CONCLUSIONRECOMMENDATION#

In case you have any question, please feel free to direct them to your Vestas Customer Support Engineer.