**Component Inspection Report**

**CIR ID: \_CIRID**

**Component Type: \_ComponentTypeId**

**Report Type: \_ReportTypeId**

**Version: \_version**

**Created By**: \_CreatedBy

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| Wind Turbine Data | |
| **Report Type** | \_ReportTypeId |
| **CIM Case Number** | \_CIMCaseNumber |
| **Reason For Service** | \_ReasonForService |
| **Turbine Number** | \_TurbineNumber |
| **Country** | \_Country |
| **Site Name(ZIP code if appropriate)** | \_SiteName |
| **Turbine type** | \_TurbineType |
| **Rotor diameter** | \_RotorDiameter |
| **Nominel power** | \_NominalPower |
| **Voltage** | \_Voltage |
| **Power regulation** | \_PowerRegulation |
| **Frequency** | \_Frequency |
| **Small generator** | \_SmallGenerator |
| **Temperature variant** | \_TemperatureVariant |
| **MK version** | \_MkVersion |
| **Onshore / Offshore** | \_OnshoreOffshore |
| **Manufacturer** | \_Manufacturer |
| **Local turbine ID** | \_LocalTurbineId |
| **Run status at arrival** | \_BeforeInspectionTurbineRunStatusId |
| **Commissioning date** | \_CommisioningDate |
| **Installation date** | \_InstallationDate |
| **Failure date** | \_FailureDate |
| **Inspection Date** | \_InspectionDate |
| **Service report number** | \_ServiceReportNumber |
| **Notification number** | \_NotificationNumber |
| **Service engineer** | \_ServiceEngineer |
| **Run (hrs)** | \_RunHours |
| **Generator 1 (hrs)** | \_Generator1Hrs |
| **Generator 2 (hrs)** | \_Generator2Hrs |
| **Total production (kWh)** | \_TotalProduction |
| **Run status after inspection** | \_AfterInspectionTurbineRunStatusId |
| **Description** | |
| **Vestas Item Number** | \_VestasItemNumber |
| **Quantity of failed components/problems** | \_Quantity |
| **Description** | \_Description |
| **Up-Tower Solution Available** | \_ComponentUpTowerSolutionID |
| **Description of any consequential problems/damage** | \_DescriptionConsquential |
| **Additional Information** | \_AdditionalInfo |
| **SBU Recommendation** | \_SBURecommendation |
| **Alarm Log Number** | \_AlarmLogNumber |
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| Gearbox Data | | | | | | |
| **Gearbox Manufacturer** | \_GearboxManufacturerId | | | | | |
| **Other Gearbox Manufacturer** | \_GearboxOtherManufacturer | | | | | |
| **Gearbox Type** | \_GearboxTypeId | | | | | |
| **Other Gearbox Type** | \_OtherGearboxType | | | | | |
| **Gearbox Revision** | \_GearboxRevisionId | | | | | |
| **Gearbox Serial Number** | \_GearboxSerialNumber | | | | | |
| **Aux. equipment** | \_GearboxAuxEquipmentId | | | | | |
| **Date For Last Oil Change** | \_GearboxLastOilChangeDate | | | | | |
| **Oil Type** | \_GearboxOilTypeId | | | | | |
| **Type of Mechanical Oil Pump** | \_GearboxMechanicalOilPumpId | | | | | |
| **Oil Level in Gearbox (in %)** | \_GearboxOilLevelId | | | | | |
| **Gearbox (hrs)** | \_GearboxRunHours | | | | | |
| **Oil Temperature at oil level check (ºC)** | \_GearboxOilTemperature | | | | | |
| **Gearbox Production (kWh)** | \_GearboxProduction | | | | | |
| **Additional Gearbox Data** | | | | | | |
| **Action to be taken on gearbox** | \_GearboxActionToBeTakenOnGearboxId | | | | | |
| **Generator Manufacturer** | \_GearboxGeneratorManufacturerId | | | | | |
| **Second Generator Manufacturer** | \_GearboxGeneratorManufacturerId2 | | | | | |
| **Electrical Pump** | \_GearboxElectricalPumpId | | | | | |
| **Shrink Element** | \_GearboxShrinkElementId | | | | | |
| **Serial Number of Shrink Element** | \_GearboxShrinkElementSerialNumber | | | | | |
| **Coupling** | \_GearboxCouplingId | | | | | |
| **Filter Block Type** | \_GearboxFilterBlockTypeId | | | | | |
| **In-line Filter** | \_GearboxInLineFilterId | | | | | |
| **Off-line Filter** | \_GearboxOffLineFilterId | | | | | |
| **Software Release** | \_GearboxSoftwareRelease | | | | | |
| **Clearly Identified Damages** | | | | | | |
| **Shafts** | | | | | | |
| **Exact Location** | | | **Type of Damage** | | | |
| \_GearboxShaftsExactLocation1ShaftTypeId | | | \_GearboxShaftsTypeofDamage1ShaftErrorId | | | |
| \_GearboxShaftsExactLocation2ShaftTypeId | | | \_GearboxShaftsTypeofDamage2ShaftErrorId | | | |
| \_GearboxShaftsExactLocation3ShaftTypeId | | | \_GearboxShaftsTypeofDamage3ShaftErrorId | | | |
| \_GearboxShaftsExactLocation4ShaftTypeId | | | \_GearboxShaftsTypeofDamage4ShaftErrorId | | | |
| **Gears** | | | | | | |
| **Exact Location** | | **Type of Damage** | | **Damage Class** | | **Decision** |
| \_GearboxExactLocation1GearTypeId | | \_GearboxTypeofDamage1GearErrorId | | \_GearboxGearDamageClass1DamageId | | \_GearboxGearDecision1DamageDecisionId |
| \_GearboxExactLocation2GearTypeId | | \_GearboxTypeofDamage2GearErrorId | | \_GearboxGearDamageClass2DamageId | | \_GearboxGearDecision2DamageDecisionId |
| \_GearboxExactLocation3GearTypeId | | \_GearboxTypeofDamage3GearErrorId | | \_GearboxGearDamageClass3DamageId | | \_GearboxGearDecision3DamageDecisionId |
| \_GearboxExactLocation4GearTypeId | | \_GearboxTypeofDamage4GearErrorId | | \_GearboxGearDamageClass4DamageId | | \_GearboxGearDecision4DamageDecisionId |
| \_GearboxExactLocation5GearTypeId | | \_GearboxTypeofDamage5GearErrorId | | \_GearboxGearDamageClass5DamageId | | \_GearboxGearDecision5DamageDecisionId |
| \_GearboxExactLocation6GearTypeId | | \_GearboxTypeofDamage6GearErrorId | | \_GearboxGearDamageClass6DamageId | | \_GearboxGearDecision6DamageDecisionId |
| \_GearboxExactLocation7GearTypeId | | \_GearboxTypeofDamage7GearErrorId | | \_GearboxGearDamageClass7DamageId | | \_GearboxGearDecision7DamageDecisionId |
| \_GearboxExactLocation8GearTypeId | | \_GearboxTypeofDamage8GearErrorId | | \_GearboxGearDamageClass8DamageId | | \_GearboxGearDecision8DamageDecisionId |
| \_GearboxExactLocation9GearTypeId | | \_GearboxTypeofDamage9GearErrorId | | \_GearboxGearDamageClass9DamageId | | \_GearboxGearDecision9DamageDecisionId |
| \_GearboxExactLocation10GearTypeId | | \_GearboxTypeofDamage10GearErrorId | | \_GearboxGearDamageClass10DamageId | | \_GearboxGearDecision10DamageDecisionId |
| \_GearboxExactLocation11GearTypeId | | \_GearboxTypeofDamage11GearErrorId | | \_GearboxGearDamageClass11DamageId | | \_GearboxGearDecision11DamageDecisionId |
| \_GearboxExactLocation12GearTypeId | | \_GearboxTypeofDamage12GearErrorId | | \_GearboxGearDamageClass12DamageId | | \_GearboxGearDecision12DamageDecisionId |
| \_GearboxExactLocation13GearTypeId | | \_GearboxTypeofDamage13GearErrorId | | \_GearboxGearDamageClass13DamageId | | \_GearboxGearDecision13DamageDecisionId |
| \_GearboxExactLocation14GearTypeId | | \_GearboxTypeofDamage14GearErrorId | | \_GearboxGearDamageClass14DamageId | | \_GearboxGearDecision14DamageDecisionId |
| \_GearboxExactLocation15GearTypeId | | \_GearboxTypeofDamage15GearErrorId | | \_GearboxGearDamageClass15DamageId | | \_GearboxGearDecision15DamageDecisionId |
| **Bearings** | | | | | | |
| **Location** | | **Position** | | **Type of Damage** | | **Damage Class** |
| \_GearboxBearingsLocation1BearingTypeId | | \_GearboxBearingsPosition1BearingPosId | | \_GearboxBearingsDamage1BearingErrorId | | \_GearboxBearingDecision1DamageDecisionId |
| \_GearboxBearingsLocation2BearingTypeId | | \_GearboxBearingsPosition2BearingPosId | | \_GearboxBearingsDamage2BearingErrorId | | \_GearboxBearingDecision2DamageDecisionId |
| \_GearboxBearingsLocation3BearingTypeId | | \_GearboxBearingsPosition3BearingPosId | | \_GearboxBearingsDamage3BearingErrorId | | \_GearboxBearingDecision3DamageDecisionId |
| \_GearboxBearingsLocation4BearingTypeId | | \_GearboxBearingsPosition4BearingPosId | | \_GearboxBearingsDamage4BearingErrorId | | \_GearboxBearingDecision4DamageDecisionId |
| \_GearboxBearingsLocation5BearingTypeId | | \_GearboxBearingsPosition5BearingPosId | | \_GearboxBearingsDamage5BearingErrorId | | \_GearboxBearingDecision5DamageDecisionId |
| \_GearboxBearingsLocation6BearingTypeId | | \_GearboxBearingsPosition6BearingPosId | | \_GearboxBearingsDamage6BearingErrorId | | \_GearboxBearingDecision6DamageDecisionId |
| **Housing** | | | | | | |
| **Planet Stage 1** | | | | \_GearboxPlanetStage1HousingErrorId | | |
| **Planet Stage 2** | | | | \_GearboxPlanetStage2HousingErrorId | | |
| **Helical/Parallel Stage** | | | | \_GearboxHelicalStageHousingErrorId | | |
| **Front Plate** | | | | \_GearboxFrontPlateHousingErrorId | | |
| **Auxilliary Stage** | | | | \_GearboxAuxStageHousingErrorId | | |
| **HS Stage** | | | | \_GearboxHSStageHousingErrorId | | |
| **Torque Arm System** | | | | | | |
| **Loose Bolts** | | | | \_GearboxLooseBolts | | |
| **Broken Bolts** | | | | \_GearboxBrokenBolts | | |
| **Defect Damper Elements** | | | | \_GearboxDefectDamperElements | | |
| **Too Much Clearance** | | | | \_GearboxTooMuchClearance | | |
| **Cracked Broken Torque Arm** | | | | \_GearboxCrackedTorqueArm | | |
| **Needs To Be Aligned** | | | | \_GearboxNeedsToBeAligned | | |
| **Defect Assessories** | | | | | | |
| **Pt 100 Bearing 1** | | | | \_GearboxPT100Bearing1 | | |
| **Pt 100 Bearing 2** | | | | \_GearboxPT100Bearing2 | | |
| **Pt 100 Bearing 3** | | | | \_GearboxPT100Bearing3 | | |
| **Oil Level sensor** | | | | \_GearboxOilLevelSensor | | |
| **Oil Pressure (s412)** | | | | \_GearboxOilPressure | | |
| **Pt 100 Oil Sump** | | | | \_GearboxPT100OilSump | | |
| **Filter Indicator** | | | | \_GearboxFilterIndicator | | |
| **Immersion Heater** | | | | \_GearboxImmersionHeater | | |
| **Drain Valve** | | | | \_GearboxDrainValve | | |
| **Air Breather** | | | | \_GearboxAirBreather | | |
| **Sight Glass** | | | | \_GearboxSightGlass | | |
| **Chip Detector** | | | | \_GearboxChipDetector | | |
| **Defect categorization Score : \_GearboxDefectCategorizationScore** | | | | | | |
| **Symptoms** | | | | | | |
| **Vibrations** | | | | \_GearboxVibrationsId | | |
| **Noise** | | | | \_GearboxNoiseId | | |
| **Debris on Magnet** | | | | \_GearboxDebrisOnMagnetId | \_GearboxDebrisStagesMagnetPosId | |
| **Debris found in Gearbox** | | | | \_GearboxDebrisGearBoxId | | |
| **Overall Gearbox Condition** | | | | \_GearboxOverallGearboxConditionId | | |
| **Max Temperature** | | | | | | |
| **Reset Date** | | | | \_GearboxMaxTempResetDate | | |
| **Bearing 1** | | | | \_GearboxTempBearing1 | | |
| **Bearing 2** | | | | \_GearboxTempBearing2 | | |
| **Bearing 3** | | | | \_GearboxTempBearing3 | | |
| **Oil Sump** | | | | \_GearboxTempOilSump | | |
| **Leakage /Droplets** | | | | | | |
| **LSS NR-end** | | | | \_GearboxLSSNRend | | |
| **IMS NR-end** | | | | \_GearboxIMSNRend | | |
| **IMS R-end** | | | | \_GearboxIMSRend | | |
| **HSS NR-end** | | | | \_GearboxHSSNRend | | |
| **HSS R-end** | | | | \_GearboxHSSRend | | |
| **Pitch Tube** | | | | \_GearboxPitchTube | | |
| **Split Lines** | | | | \_GearboxSplitLines | | |
| **Hose and Piping** | | | | \_GearboxHoseAndPiping | | |
| **Input Shaft** | | | | \_GearboxInputShaft | | |
| **Aux. - HSS/PTO** | | | | \_GearboxHSSPTO | | |

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| Dynamic Table : \_Dy\_nmic\_Tab\_le\_ |

##DYN\_AMIC\_TAB\_LE##

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| Pictures | | |
| **Plate Type Picture Not possible** | \_IsPlateTypeNotPossible |
| **Reason** | \_PlateTypeNotPossibleReason |

##PICTURES##

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| --- |
| Revision |

##REVISION##