

In Situ Machining of Motors or Generators

Customer:

Name:
 Email:
 Telephone:
 Address:
 GPS coordinates:

Mersen representative:

Name:
 Email:
 Telephone:

Information required before the intervention:

● **Subject of the intervention:** Motor Generator

● **Machine:**

Machine manufacturer:
 Machine type:
 Generator: DC AC
 Motor: DC AC

Nominal Speed (rpm)	
Power (kW)	

● Horizontal Vertical

● **Slip Ring Assemblies:** Manual grinding Machining

Number of rings:
 Material: Steel (Alloys) Bronze
 Diameter (mm):
 Ring width (mm):
 Helical groove: with without
 Depth of the helical groove (mm):

● **Access to the machine:**

Access door dimensions: Width (cm) _____ x Height (cm) _____
 Distance between rotor and door (cm):
 Comments:

DC Machine	
Armature Voltage (V)	
Armature Current (A)	
Field Voltage (V)	
Field Current (A)	

AC Machine	
Stator Voltage (V)	
Stator Current (A)	
Rotor Voltage (V)	
Rotor Current (A)	

● **Commutator:** Manual grinding Machining

Diameter (mm):
 Width (mm)
 Nr of bars:
 Mica width (mm):



Please send us pictures of the Commutator or Slip Ring assemblies, their nameplate, environment, conditions etc.

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● Brush-holder bolt/ Slip ring assemblies:

Type: Square Circle

Number:

Diameter of the brush-holder bolt (mm):

Or section (mm):

Length of the brush-holder bolt (mm):

Distance between the centre of the brush-holder bolt and the commutator (mm):

Distance between two brush-holder bolts (mm):

Distance between the centre of the brush-holder bolt and the centre of the carbon brushes (mm):

● Brush-holders/Slip ring assemblies:

Adjustment to be made: Yes No

Replacement to be made: Yes No

● Carbon brushes/Slip ring assemblies:

Grade:

Dimensions (mm) t _____ x a _____ x r _____

Drawing reference:

Replacement to be made: Yes No

● Motor power supply during the intervention:

By the customer By Mersen

If "by the customer", please precise the method:

Auxiliary motor

Hydraulic, please precise the rotation speed (rpm):

Other (please precise):

● Specific electrical motor inspection to be done:

Insulation measurement and control

Other (please precise):

● Machine's availability (provisional dates):

● Machine's condition:

Dust

Oil

Other (please precise):

● Comments

● Brush-holder bolt/ Commutator:

Type: Square Circle

Number:

Diameter of the brush-holder bolt (mm):

Or section (mm):

Length of the brush-holder bolt (mm):

Distance between the centre of the brush-holder bolt and the commutator (mm):

Distance between two brush-holder bolts (mm):

Distance between the centre of the brush-holder bolt and the centre of the carbon brushes (mm):

● Brush-holders/Commutator:

Adjustment to be made: Yes No

Replacement to be made: Yes No

● Carbon brushes/Commutator:

Grade:

Dimensions (mm) t _____ x a _____ x r _____

Drawing reference:

Replacement to be made: Yes No