



INSPECTION OF FAILURE

DATE: 6.4.2017
SUBJECT: ROOF FAN ECO190
COMPANY: ROLLITA SIA
INSPECTOR: VELI-PEKKA LAHTI
APPROVED: TUOMAS SAIKKONEN

DESCRIPTION OF FAILURE

Installed ECo 190 roof fan has stopped working prior to the expected lifetime of the product. The product was installed in SK Tuote's Baltic market area in Latvia. The motor has been recovered for inspection.

DESCRIPTION OF OBSERVED PRODUCT

Upon inspection the motor of the roof fan seems to be covered in fine dust like particles. Based on other cases the material is suspected to be fine concrete or similar dust. This can imply that the product has been in use during the construction phase of the related project.

Closer inspection reveals that the circuit board is not functioning properly. This is the primary reason why the product is not functioning. The exact reason why the circuit board is not working is unknown. The circuit board does not show any obvious signs of damage, electrical overheating or mechanical breakdown. Dust may or may not be related to the issue. The circuit board has been sent for further testing.

DESCRIPTION OF OTHER CIRCUMSTANCES

N/A

DESCRIPTION OF CORRECTIVE ACTIONS

SK Tuote Oy will replace the damaged product in this case even though the actual reason for the failure is unknown. All roof fans are tested before they leave the production facility. SK Tuote's roof fan manual states: *"The fan is not designed for transporting hot, explosive or erosive gases, grinding dust or similar."*. In future installations operation of the roof fan should be avoided in environments with fine dust.



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