8D Report

WEG Reference	MUNIV_MOTOR H45 FRONT
Customer Reference	WW2K00076
Customer	SAMHA Home Appliance

Product information		**General information**	
WEG part	UNIV_MOTOR H45 FRONT	**Complaint Date**	janv-26
Customer part	WW2K00076	**Quantity**	3,30%
Serial Number	0009801/0008018/0008869/0008817/0056756 0011557/0010571/0011584/0011578	**Manufacturing plant**	WEG ALGERIA MOTORS Spa
Production Date	14/12/25-17/12/25-19/11/25		

Title	Abnormal noise- SAMHA FRONT Line		
Report	**Preliminary (4D)**	**Definitive (8D)**	

1.Team Members

Team Leader	**Department**	**E-mail address**
Boumaiza Meryem	WEG ALGERIA - QUALITY	

Team Members	**Department**
Victor Santiago De Matos	WEG ALGERIA - Engineering and Production
Houssem Mezouare	WEG ALGERIA - Production
Khaled Belloui	SAMHA - Quality
Fares Mechri	SAMHA - AQP

2.Problem Description

Describe the problem

SAMHA reported abnormal noise when the universal motor was operating inside the washing machine. Nine (09) motors were returned for investigation. Initial inspection confirmed that seven (07) motors exhibited abnormal noise, while two (02) motors were found to operate normally without any noise. It was also identified that, due to the lack of proper motor pallet identification during the second preparation of motors on the washing machine assembly line, previously rejected motors were unintentionally reintroduced and used in production. It is therefore possible that the seven (07) motors in question were among the motors previously rejected.

• Abnormal noise Issues:
This abnormal noise problem, as shown in the picture, is leading to seven (07) motors H45F.



3.Containment Actions

Responsible	Meryem Boumaiza	**Close of implementation**	Until now

Inventory	**Qty**	**Action Plan**
WEG	**ALL**	Perform 100% inspection of all available motors
SAMHA	**ALL**	Block all finished motors, work-in process (WIP) and outgoing shipements
WEG	**ALL**	Segregate all motors showing abnormal noise
WEG	**ALL**	Isolate all returned motors for investigation

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4.Root Cause

Root Cause Description

The root cause of the abnormal noise was a perforation in the protective film of the rotor.
During rotation,the damaged film (Picture 1) moved and oscillated due to airflow and centrifugal forces, creating mechanical and aerodynaic noise.

5.Corrective Actions

Action	Responsible	Deadline	STATUS
Renforce visual inspection of rotor final at final rotor production and befor motor assambly	Boumaiza Meryem	14/01/2026	Done
Improve rotor storage and handling to prevent stratches and perforration	Boumaiza Meryem	15/01/2026	Done
Re-train operators on rotor inspection and handling	Boumaiza Meryem	15/01/2026	Done

6.Verification of the Corrective Actions

Verification / Evidences	Verification Date

Responsible	Cut-off date or SN
Boumaiza Meryem	

7.Preventive Action

Action	Responsible	Due date
Identify every motor pallet in SAMHA site during the prerotaion with Red/Green card (Picture 02/03)	Boumaiza Meryem	15/01/2026
Inform SAMHA Quality/Production team about the WEG identification of the motor pallets according to the motor status	Boumaiza Meryem	15/01/2026
Improve the Implementation of the full traceability for final inspection and testing stage	Boumaiza Meryem	14/01/2015
Record the operator ID for each visual inspection and final test (Picture 04)	Boumaiza Meryem	14/01/2015

Affected Documents	Date

8.Closing

All containment, corrective and preventive actions have been implemented and verified to be effective.no further abnormal noise has been detected during testing.
The root cause has been addressed and controlled throught reinforced inspections, improved handling, and full traceability.

Reported By	Boumaiza Meryem	Date	15/01/2025

Attachments:

Picture 01



Picture 02/03





Picture 04

