



13th KAIZEN CONFERENCE

Activity	KK	JH	PM	QM	E & T	SHE	OTPM	DM	TM	EM	
Result Area						P	Q	C	D	S	M

KAIZEN IDEA - SHEET

Senior Manager Level Kaizen



Brakes India Limited
Brake Division,
Sholinghur

Plant Brakes India Limited, Brake Division, Sholinghur.

1. Kaizen Theme : First Time OK Product (Brake Pad) **4. Idea :** Use stronger structure Resin

2. Problem / Before improvement :
The defect "Crumbling" happened during testing of Brake Pad at 600 deg C (using Resin "A")

600°C
Crumbled Brake Pad

5. Countermeasure / After improvement:

800°C
No Crumbling

3. Analysis: (Why – Why Analysis)

Brake Pad crumbles at 600° C

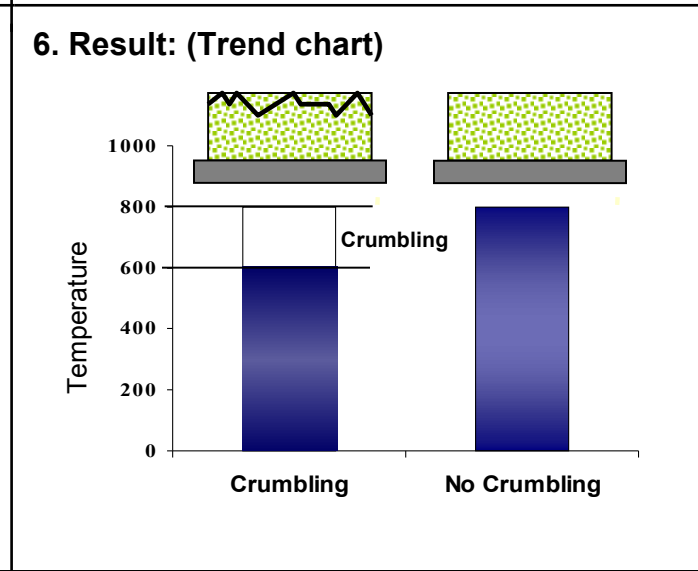
Why?

Inadequate temperature stability

Why?

Due to weaker structure of Resin

Route Cause: Weaker Structure



Bench Mark	Pad Crumbling at 600°C	
Target	No Crumbling even at 800°C	
Kaizen Start	03.04.2008	
Kaizen Finish	09.07.2008	
Kaizen Team	Name	Empl.No
Team Leader	S.Sivasubramanian	10342
Team Members	M.Srinivasan	11655
	H.Swaminathan	10920
	K.Ravichandran	10826
	M.Varatharajan	10326

7. Benefits:

- First time OK product to the customer
- Customer Delight
- New additional projects from customer

8. Scope & Plan for horizontal deployment

Sl no	Machine / Area	Tgt dt	Res p.	Statu s
-	-	-	-	-