

# Rubber Roll Trouble Shooting Guide

for

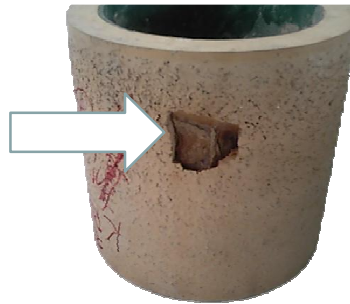
## Pneumatic Huskers

### **Cracks on Rubber Roll Surface**



<b>REASON</b>	<b>SOLUTION</b>
Paddy not falling in between the two rubber rolls. Such cracks are found when paddy falls directly on rubber rolls.	Adjust the chute so that paddy falls in between the rolls.
If rubber rolls are not interchanged for long hours and the roll on faster shaft becomes very thin.	Interchange the rolls periodically so that the fast shaft always have rubber roll with more rubber on it.
If the rubber rolls are over heated due to improper cooling system	Check cooling and exhaust blower arrangement.
High air pressure on rolls may cause over heating of rolls.	Adjust the pressure knob to maintain recommended pressure.
Rubber roll is not disengaged even when paddy does not flow.	Check the pneumatic system and rectify.
6. High moisture in paddy also may cause this problem.	Maintain 14% moisture at the time of de-husking.

### Air Burst / Air Bubble in rubber roll



<b>REASON</b>	<b>SOLUTION</b>
High air pressure on the rubber roll in the beginning when the new rolls are fitted.	Start with zero pressure and slowly increase the pressure up to optimum level within half an hour.
Shaft misalignment – This may also cause air burst problem due to very high pressure generated at some point due to misalignment of shaft.	Check misalignment of the shaft and change the shaft / bearing.

## Circumferential Lining on rubber



REASON	SOLUTION
Paddy flow not uniform	Ensure that the vibrator plate / feeder is working properly.
	Remove any foreign material like Thread, Grass etc. from shutter of the paddy flow.
	Check periodically that the paddy falls uniformly in between the rubber roll.
	Check if chute is worn out. In case of worn out replace with new one.

## Rubber to Metal Bonding Failure



<b>REASON</b>	<b>SOLUTION</b>
This is a manufacturing defect.	The defective rubber roll is to be removed immediately from the husker and a new rubber roll is to be fitted. In case of bonding failure we give free replacement of rubber roll.

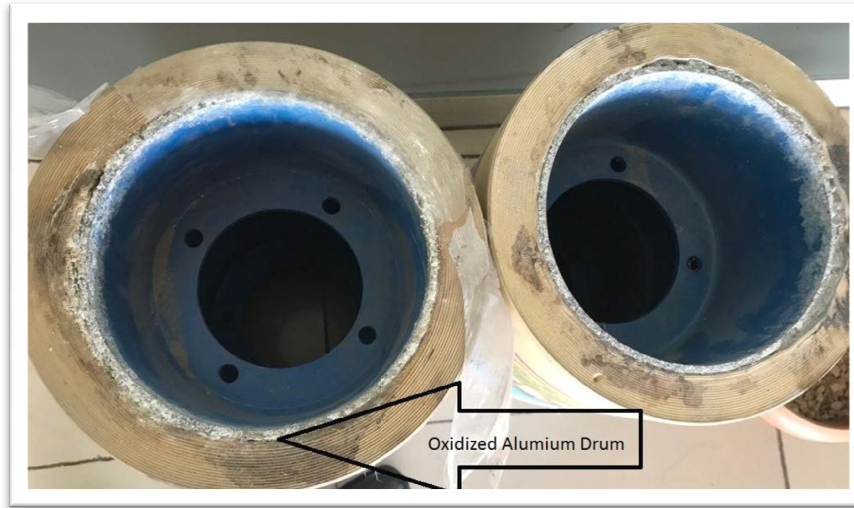
## Uneven Surface Impression on Rubber Rolls



This Pattern is made on the roll surface due to vibration in the roll which can be due to following reasons

REASON	SOLUTION
The bearing of main shaft is worn out.	The bearing of main shaft is to be replaced with a new bearing.
Improper V-belt tension.	Check the V-belt tension and correct.
Hinge shaft bearing / shaft worn out.	Check hinge shaft and bearing assembly and if required repair.
Cl adaptor or coupling for rubber roll may have worn out.	Change the adaptor or coupling.

## Oxidization of Aluminum Drum



<b>REASON</b>	<b>SOLUTION</b>
Aluminum drum gets oxidized due to contact with moisture.	Store the rubber rolls away from moisture and any source of water. Do not store on floor. Always store on wooden / metallic / plastic pallets. Remove the packing only prior to use.