

Controlling Carryback: More Than Just Belt Cleaners

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CLEAN SAFE PRODUCTIVE BULK MATERIAL HANDLING





What we'll cover

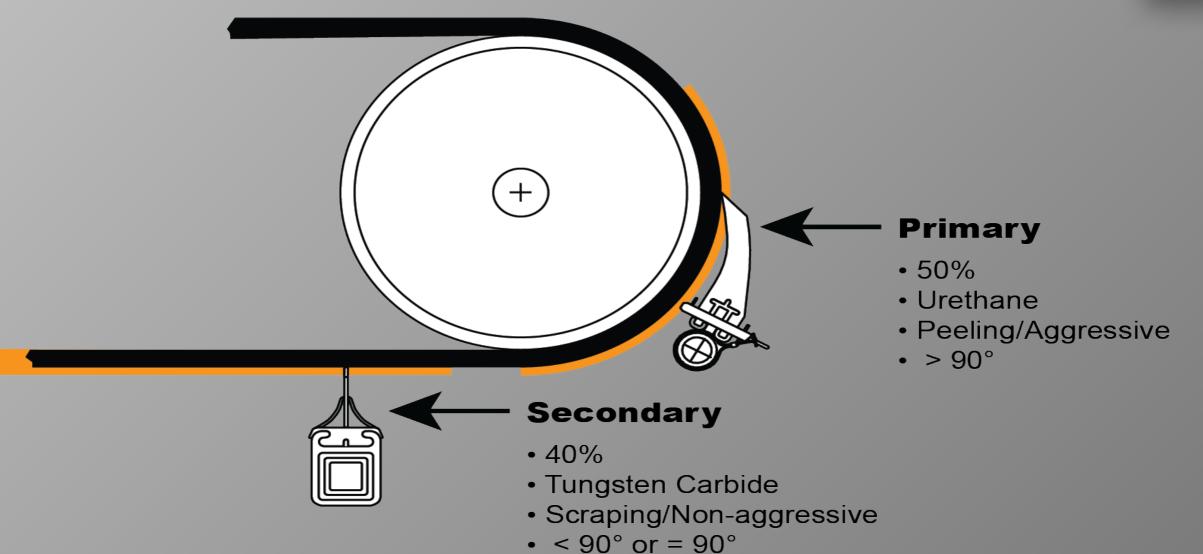


- 1. Belt cleaner performance expectation
- 2. Critical installation and selection guidance
- 3. How splices and belt affect carryback



Belt Cleaner Expectations





Improved Metal Primary Cleaners



Delivers tip of blade to belt at 90 without shelf







When belt cleaners won't meet expectations



Improper or Lack of Maintenance
Interference of Splice
Belt has surface damage
Installation errors
Only using urethane
Incorrect cleaner selection



Belt Cleaner Selection



- 1. What's the material
- 2. Diameter of head pulley
- 3. Belt Speed
- 4. Primary cleaner width







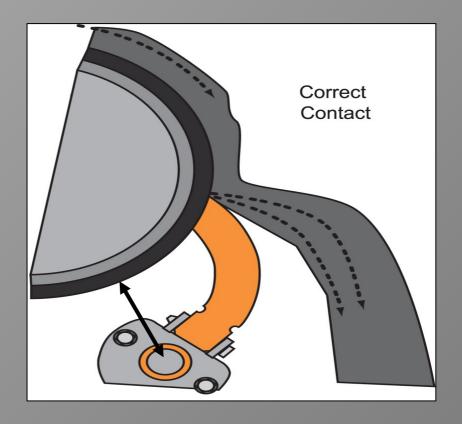
Primary cleaner installation



Too close

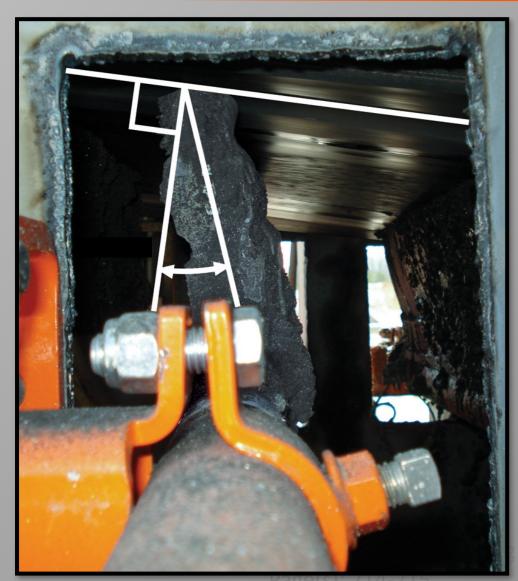


Perfect









- Don't "recline" secondary cleaners too far
- Can be less than 90°, but shouldn't be less than 75°

Secondary cleaner installation





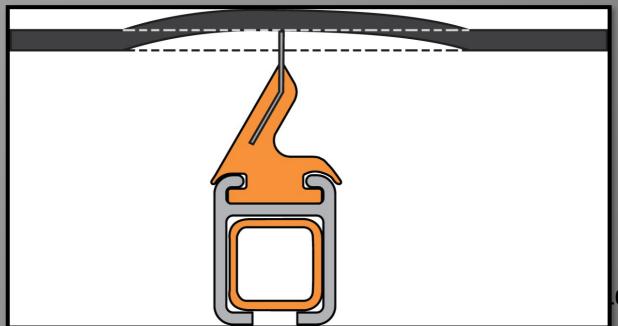
- Install secondary cleaners about 25mm off the pulley
- Helps with splice
- Doesn't pinch belt

Secondary cleaner installation





Secondary cleaners need some resistance. Install "hold down" roll after or before secondary cleaners.



How splices and belt affect carryback



Entrapment Damage

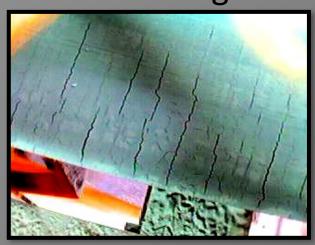


Belts that have surface damage won't come as clean.

Impingement Damage



Heat Damage







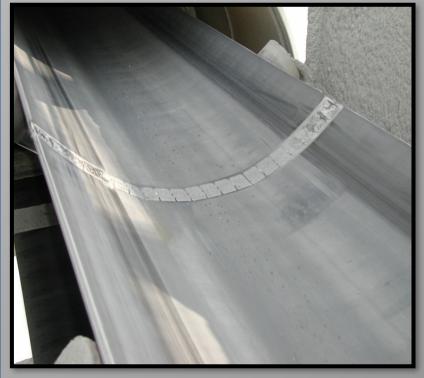


Belt markings affect cleaner performance

How splices and belt affect carryback



Skived Super Screw Vulcanized

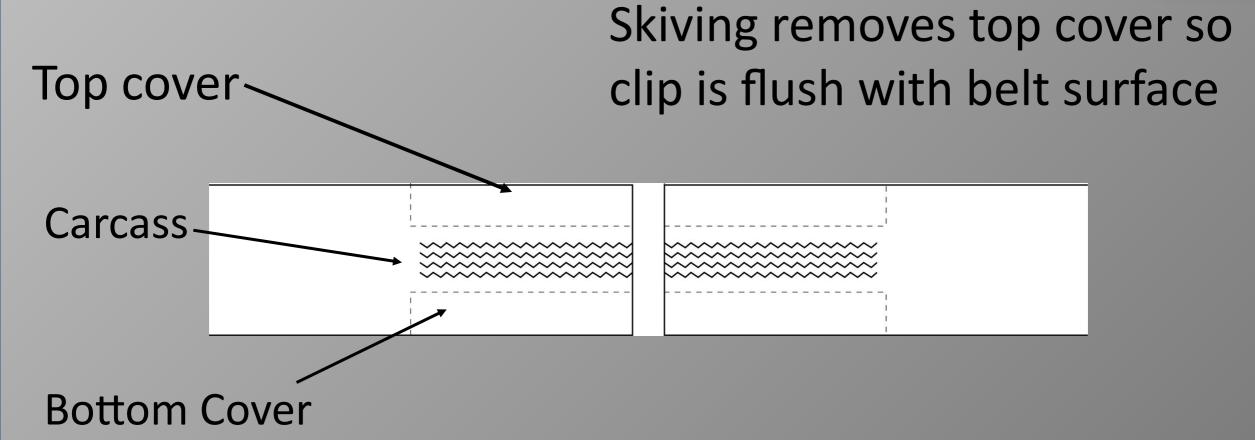






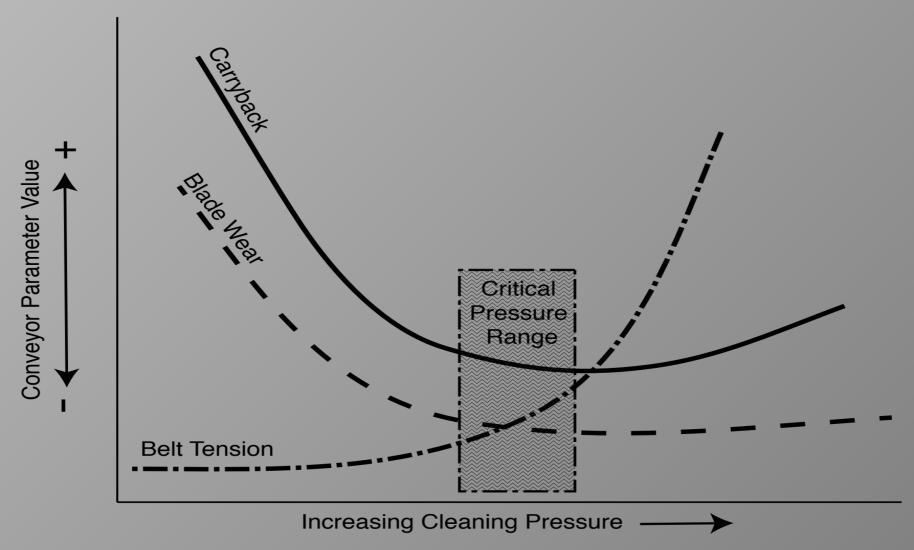
How splices and belt affect carryback





Belt Cleaner Maintenance





Before we end



Remember...

- 1. Proper belt cleaning could get 90% of carryback eliminated.
- 2. Installation, selection, and maintenance will affect performance.
- 3. Belt surface and splice make a difference.



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