

Drive belt premature failure

Isolate and remove guard cover

Are the pulleys more than 3 years old or are the grooves of the pulleys polished?

Yes

No

Replace and correctly align drive pulleys. Fit new belts and correctly tension.
Using a calibrated Pressure / Vacuum gauge, start blower and measure system vacuum /pressure
(Please make sure the belts are re-checked for tension after 30 mins of running)

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Is the system pressure what you expect?

Yes

No

Put Blower package back into duty cycle. Check system pressure / vacuum continuously for 24 hrs.

Check for:-

- Blocked inlet filter or other restrictions on the inlet of the machine.
- Blocked inlet enclosure attenuator.
- Any blockages to the discharge pipework including faulty or closed valves
- PRV jammed shut
- Changes in product bulk density
- Product blockages in pipe
- Ensure rotary valve stops and blower continues to run to purge product from the system.
- Changes in conveying rate changed
- Changes to speed of rotary valve
- Has the product changed?
- Are the diffusers blocked?
- Has the depth of liquor changed?

Is the system pressure / vacuum what you expect?

No

Yes

Re-check and re-tension drive belts if necessary and put blower back into service.