



**What happens if we leave fan blades
in service too long?
When does this become a safety issue?**



Typical Moore failures



Moore fan blades depend on a rubber bushing at the connection, rubber ages so these need to be replaced when they get hard. **Typically, everyone over pitches these fans in the field based off using amp draw to set max pitch.** This is a very poor practice, which overloads these rubber joints, which creates a fan blade failure as you see here.

Moore fan blade failures continued



Click here to see why the rubber bushings need to be changed on Moore fans
<https://youtu.be/xO7AiSSpUvU>



Ice damage on light aluminum blades



**Moore fan blades cannot run
backwards for de-icing**



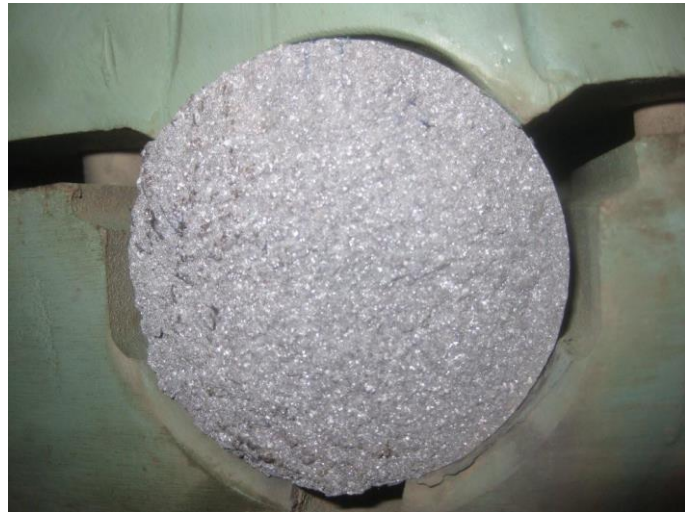
Checo fan failure after 40 years in service



E6-14 fan wreck, Shell
Jumping Pound gas
plant, Dec 2014.

There is no date
stamped on the
drawing but based on
other files at JP, this is
about 1967 vintage. If
these fan blades were
original they are way
past their "best-
Before" date. We
can't expect these old
cast fans to last > 40
years in service.

The damage related
to this failure is
extensive and could
be worse.



**Hudson strength, try this on your
aluminum fan!**

