



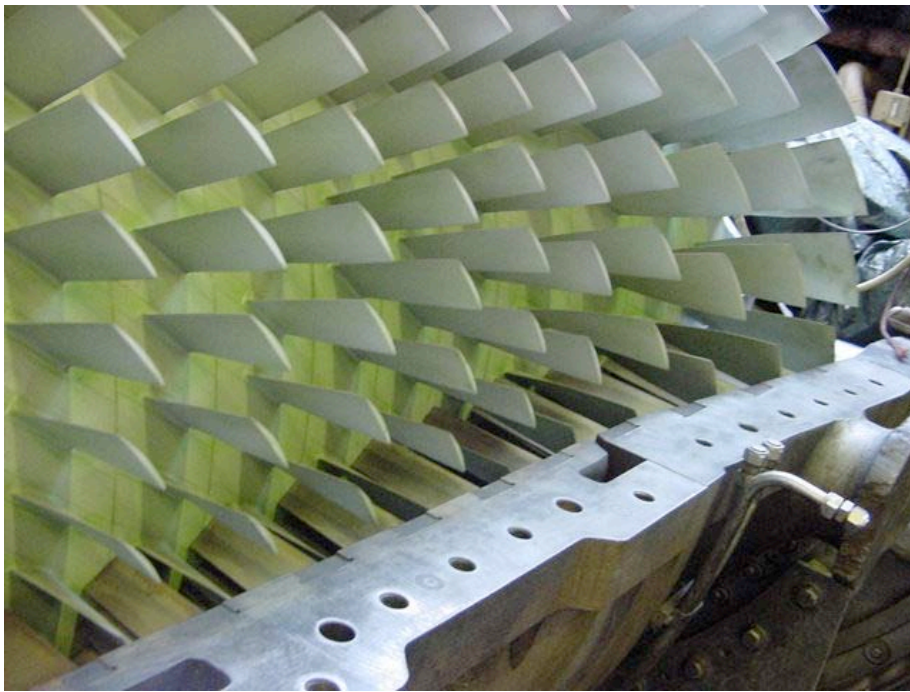
TURBINE TIPS

Turbine Tips provided by Pond and Lucier, LLC. ®
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Sealing the horizontal joints on very old turbines



Horizontal joint of compressor casing where air leaks have occurred

On some very old turbines the horizontal joint is badly corroded and will not seal 100 percent. In cases like this you have a few choices. One option is to send it to a shop and have it weld repaired and re-machined. This is very costly. Another option would be to machine a slot and install a key across the joint. This is also very costly. A more economical fix that works quite well is to use a product called *Temp Tite* (or *Belzona*). *Temp Tite* comes on a roll and is the consistency of stiff

putty. It is about 1/8 “ in diameter. The roll is provided inside a can to prevent it from drying out.

During turbine case installation, simply clean the joint as best you can and lay down one or two lines of the *Temp Tite*. Try to stay an inch or so from the edge so that it doesn't squish out into the turbine. When you torque the turbine case bolts the *Temp Tite* will squish out, fill the voids in the joint and form an effective seal. During operation it will harden, sealing off any leaks.



Millwright installing dowels on a compressor casing

In these situations it is best to double- and triple-check the torque.

CAUTION! *Temp Tite* is very caustic. You **MUST** wear gloves when you handle it. If you contact it in any way, you will get a serious rash. Discard the gloves when you are done.