KS kiln underfires

Condition:
Witness cones indicate that the kiln is firing approximately one cone cooler than normal.

8.6b
KS kilns
Ksunderf.vsd

Start

Yes

Did the timer shut off the kiln?

No

Did you place a cone one cone value hotter in the kiln sitter? This is sometimes necessary to achieve the desired cone value on the shelves because the kiln sitter cone is closer to the elements.

Yes

Load the kiln 'balanced' with witness cones near the same level as the kiln sitter and fire again.

No

Were the witness cones placed near the same level as the kiln sitter cone?

Yes

Place a cone one cone value hotter in the kiln sitter.

No

Did you place a cone one cone value hotter in the sitter than the desired cone temperature?

Yes

Reset timer and fire again.

No

Do you have a model KS 818 with a wired ring?

Yes

Are all the elements glowing when switches are set to high?

Yes

The model KS818WR must keep the center section turned down to 4 and 1/2 or 5 when the top and bottom sections are turned to high.

No

You may have an unbalanced load which is causing an uneven amount of heatwork in the kiln. Load the kiln heavier in the center and fire again. Call your distributor or Skutt Ceramic Products if problem persists.

An element is broken or there is faulty wiring to an element. There may be a defective switch in the section.

No

Is the top or bottom section unable to glow red?

Yes

If your kiln has interbox plugs and receptacles then one of them may need replacement. Otherwise you may have a defective switch or 2 elements are broken or faulty wiring to the section.