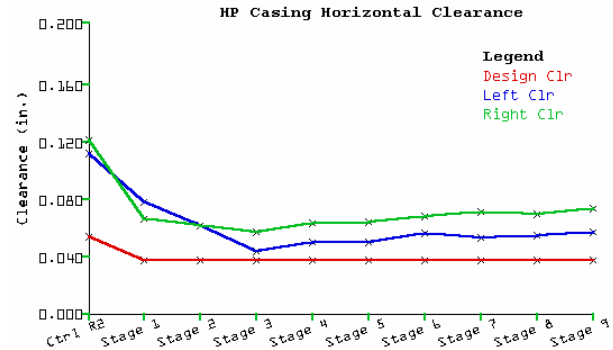
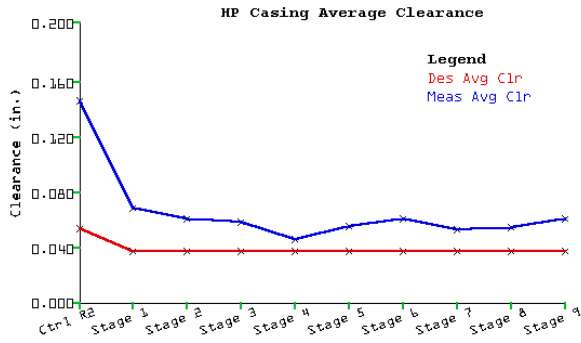


eSTPE & Steam Path Audits

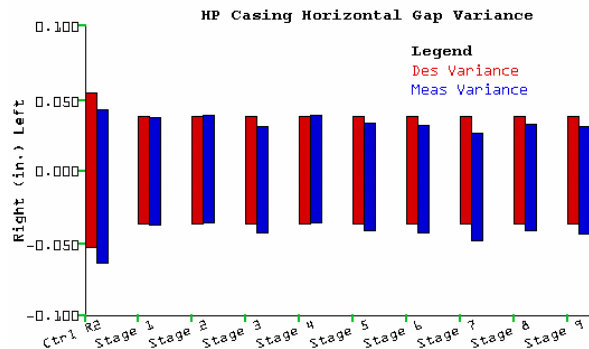
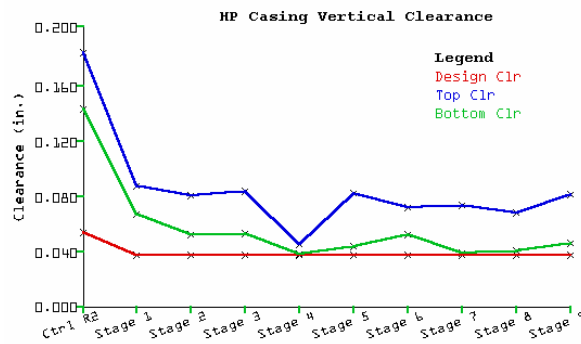
Audit Graphs



Clearance graphs provide a graphic representation of the interstage packing, end packing, and tip spill strip data taken during a steam path audit. eSTPE™ provides four graphs for each of these sections. These graphs show the packing clearance and the horizontal gap variance. If Ellipticity and Spring Clearance Corrections are made for a given packing, the values used in the graphs are the corrected values. The graphs are:

Average Clearance – This is the average radial clearance around the packing. This graph compares the as-found clearances of each packing to the design clearances and to the other packings in the turbine.

Horizontal Clearance – These are the left and right horizontal joint clearances. This graph compares the as-found clearances on the left and right of each packing to the design clearance.



Vertical Clearance – These are the top and bottom clearances calculated from the average clearance and the top and bottom tooth heights. This graph compares the as-found clearances on the top and bottom of each packing to the design clearance.

Horizontal Gap Variance – This is the difference in the left and right packing “gap”. The graph shows the alignment of the casings with respect to the rotor. The groups of vertical bars may be viewed as the turbine stages. The red bars represent the rotor and the blue bars represent the stationary blade row. A blue bar shifted down on the graph represents a stationary blade row that is moved to the right with respect to a position concentric with the rotor.