
Customer: ENERGY INDUSTRIES OF OHIO

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Part: SE141-114 / MODULAR COIL WINDING FORM TYPE

Drawing ID: SE141-101
W/O Links: 1-Type:W: 65709/5.0 Sub: 0

Revision: 3

Customer P.O.: S005242-F/Ln:5
Serial No./Qty: A5

Reported By: MIKE GRIFFITH
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Problem: Visual review of A5 identified several tool marks on T section and other miscellaneous items. See attachment for details.

Proposed Disposition:

MTM Proposes to accept deviations as-is.

Number of additional pages: 9 page attachment

Customer Disposition: ☒ Use As Is ☐ Rework ☐ Repair ☐ Scrap ☐ Replace

The attached list was reviewed during a conference call attended by J. Chrzanowski, L. Sutton, F. Malinowski, L. Dudek, D. Williamson, T. Brown, and P. Heitzenroeder on 2/28/07. The surface defects are shallow (<0.010") and therefore are not an issue. During the call it was noted that the lead pad offset caused by a less than optimal choice of initial casting best fit location brought the pad uncomfortably close to the lead slots; MTM resolved this by grinding a 0.5" chamfer immediately (see attachment). The break-out of some of the bolt threads were also discussed, but there is adequate thread engagement beyond this so it is accepted as is.

Approved by:

Tech. Rep.

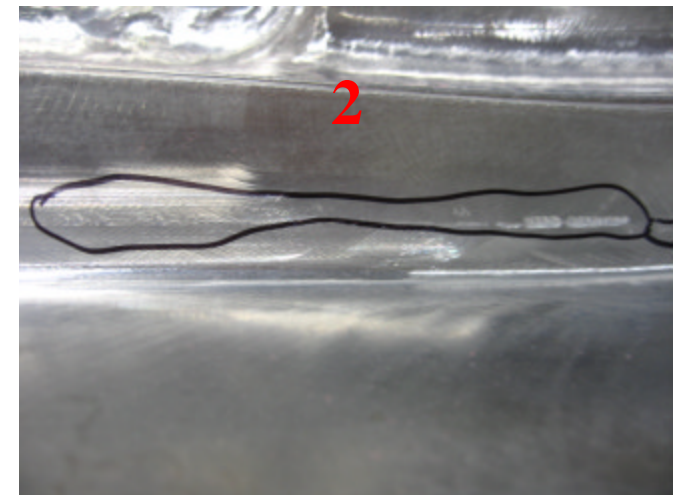
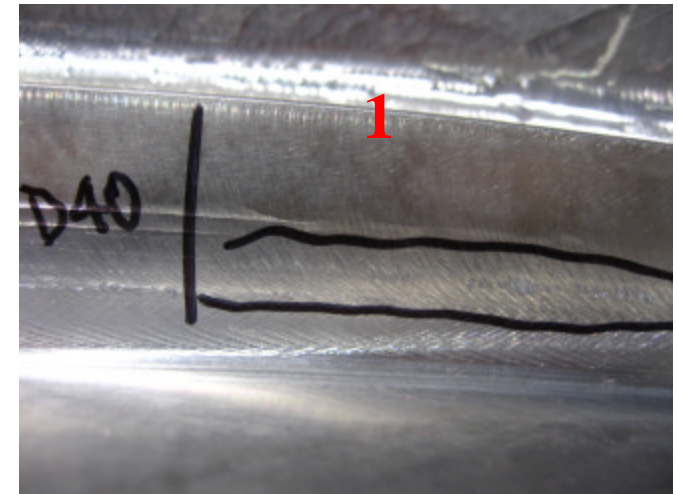
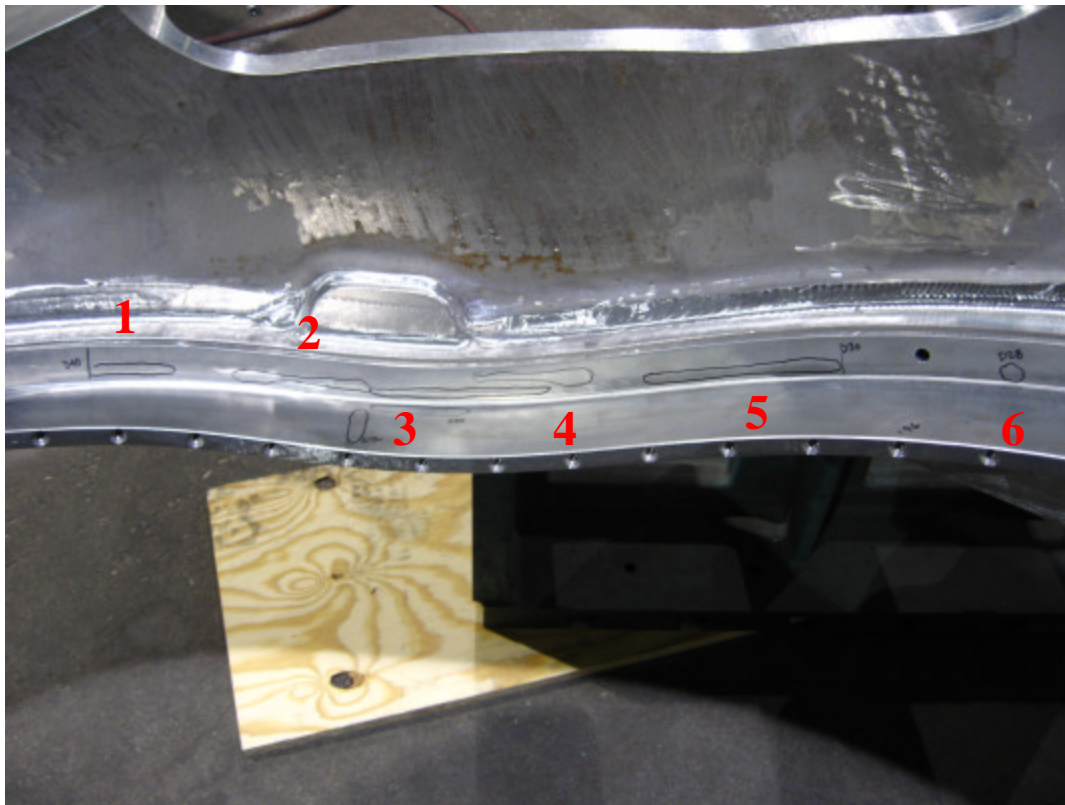
RLM

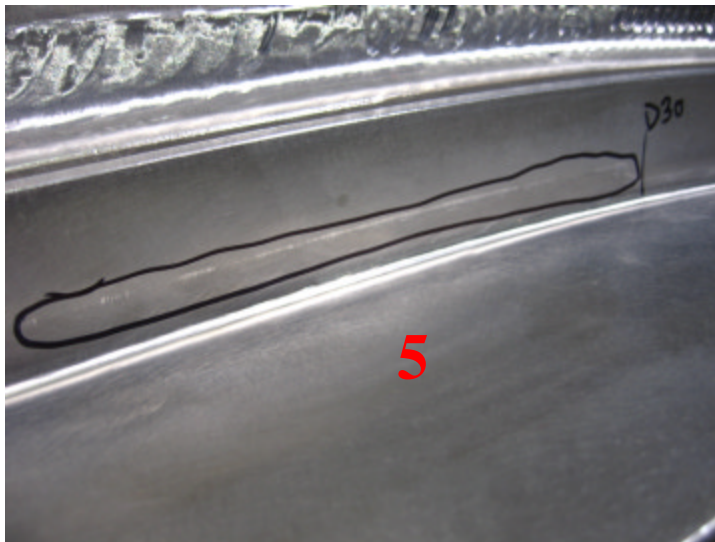
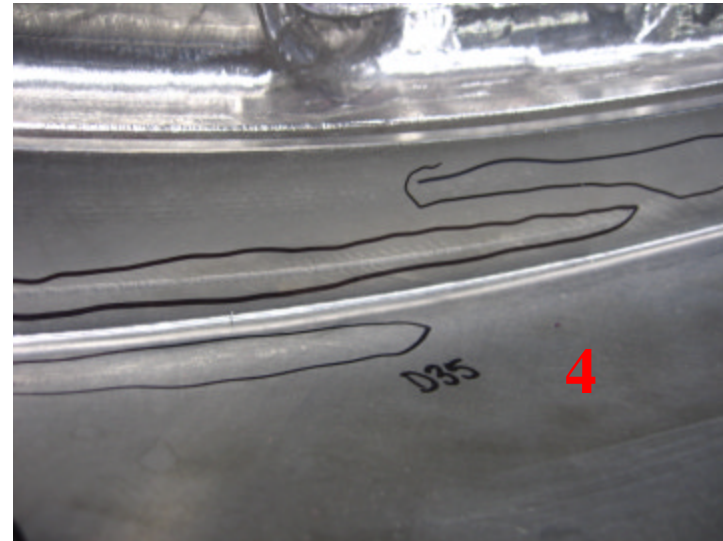
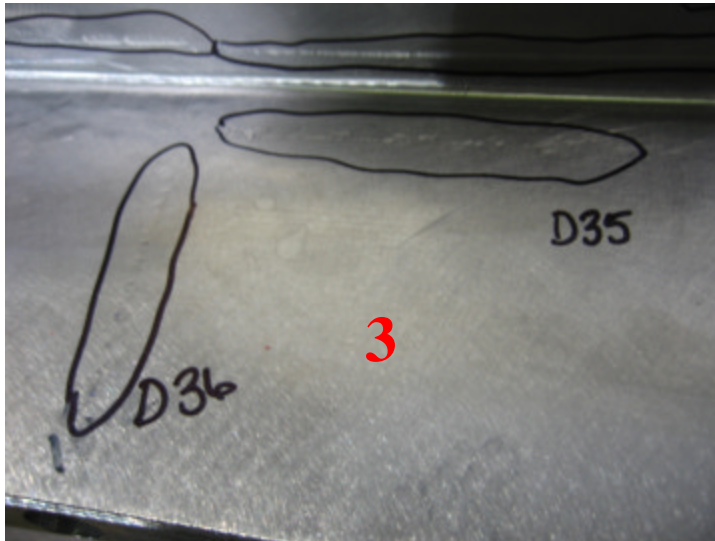
Major Tool Implemented By: _____ **Date:** _____



There are several shallow tool marks ($<.010''$) on the datum D side between T holes 28 and 40.

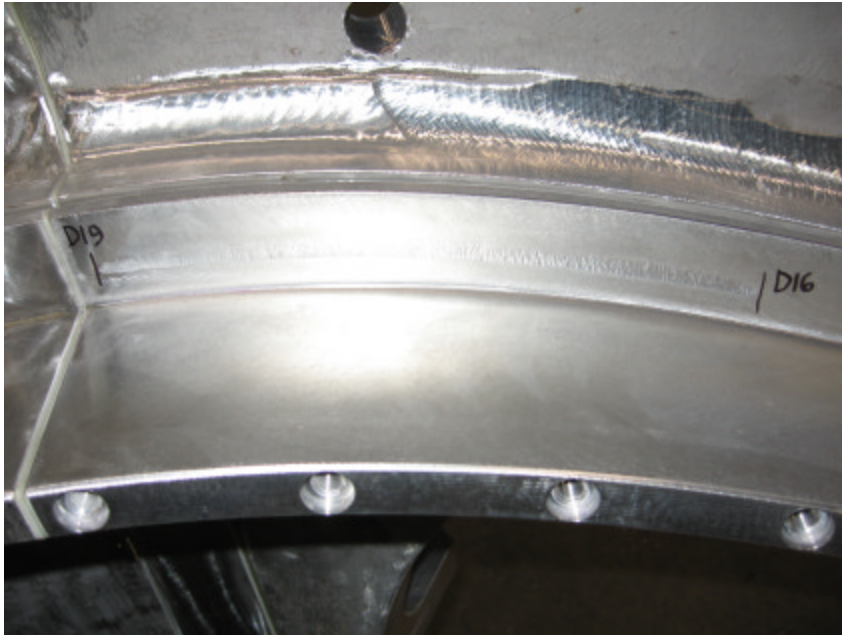
These are shown on slides 1 and 2.



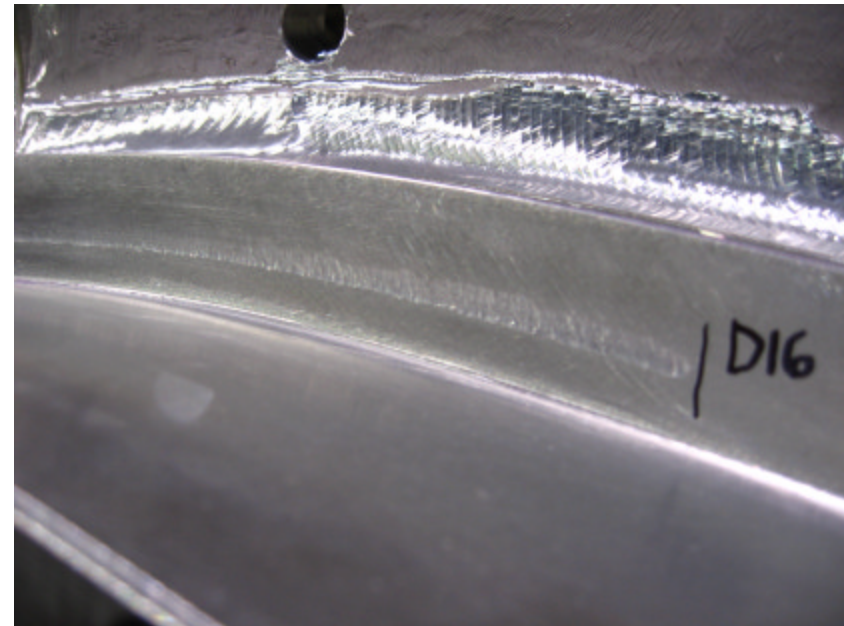




NC21265 – A5 Visual Review



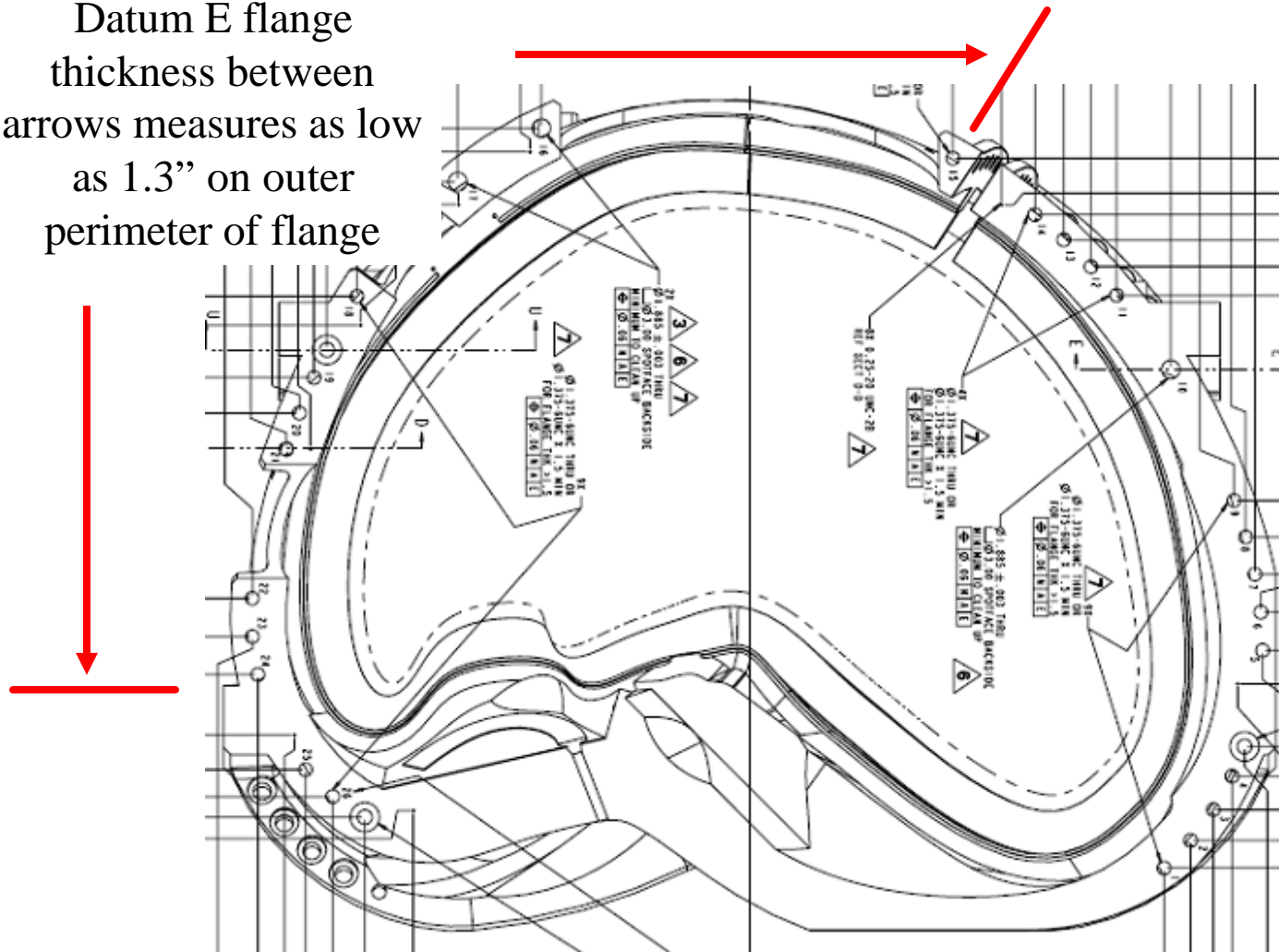
Shallow tool mark on D side short leg, between T holes D16 and D19.
Tool mark is <.005" deep.





NC21265 – A5 Visual Review

Datum E flange
thickness between
arrows measures as low
as 1.3" on outer
perimeter of flange





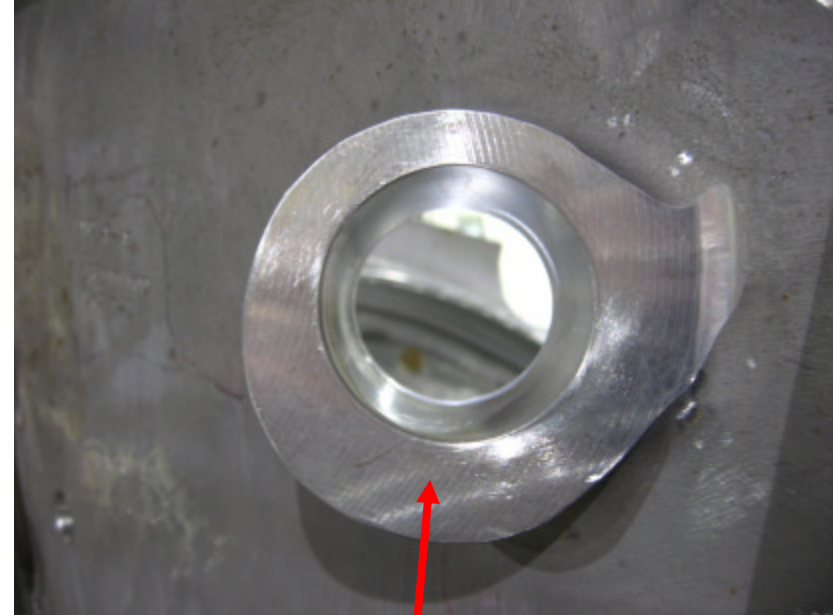
NC21265 – A5 Visual Review

It appears that the casting stock was not balanced as well as it could have been when the casting was qualified on the 1st roughing operation at MTM. A rotation of approximately .400" near the lead block area would have improved this condition. This resulted in a thicker flange on datum D and a thinner condition on datum E (as reported in previous slide). This also affected the lead pad and the cast stock around the 2.5" holes (see next slide).

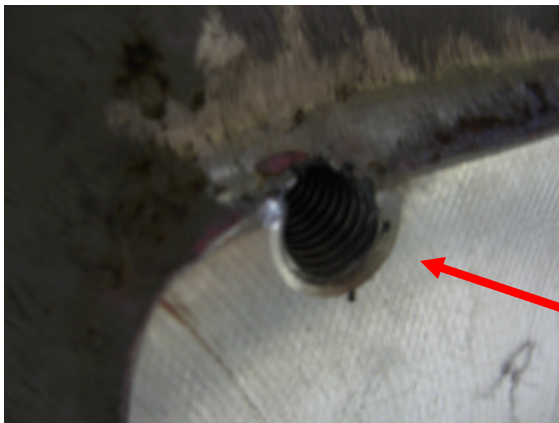




NC21265 – A5 Visual Review



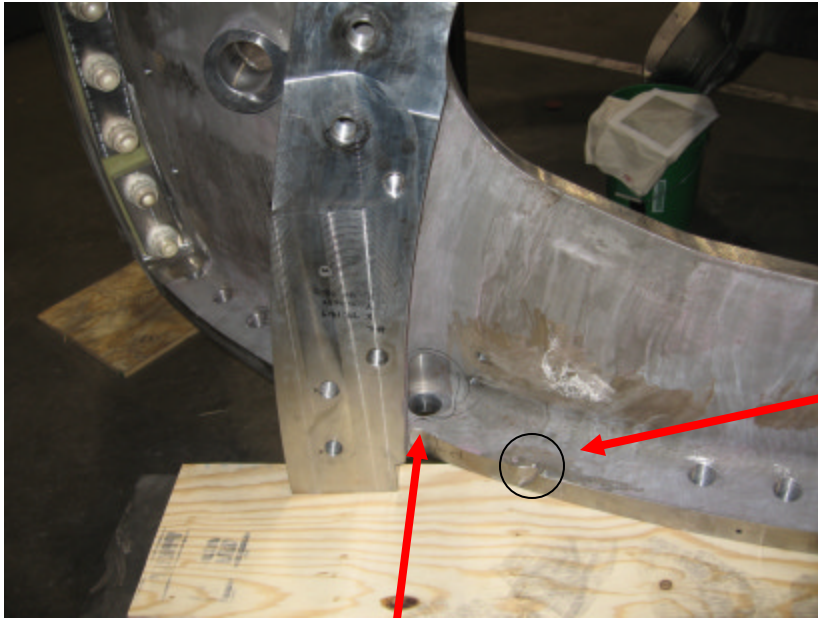
The picture above and the one in the previous slide show how the hole is shifted relative to the cast stock.



The 1st 2 ½ threads break out the edge of the hole.
This hole (and the other five) checks good with a thread gage.



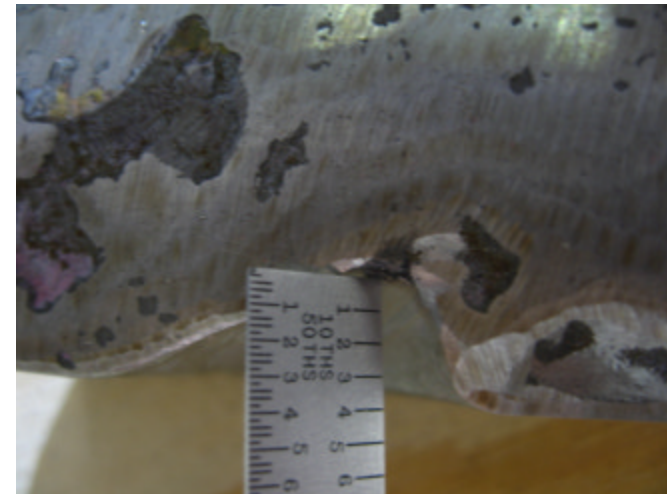
NC21265 – A5 Visual Review



Tool Gouge on perimeter of Datum E flange,
approximately 1" wide by .50" deep.



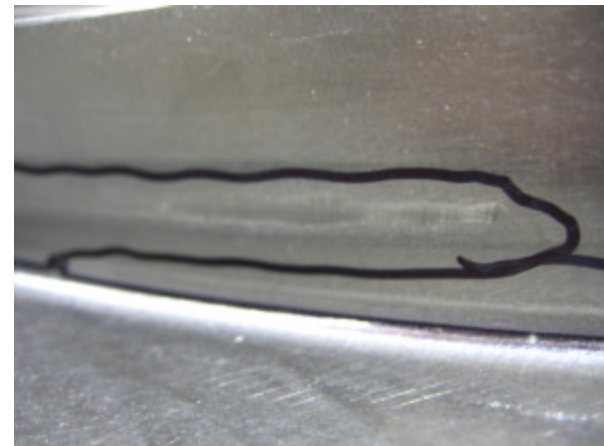
Picture to the left is
of the 3" counterbore
in the datum E flange
as reported on
NC21252 step 810.
Area shows heavy
stock around hole
(too much to grind).





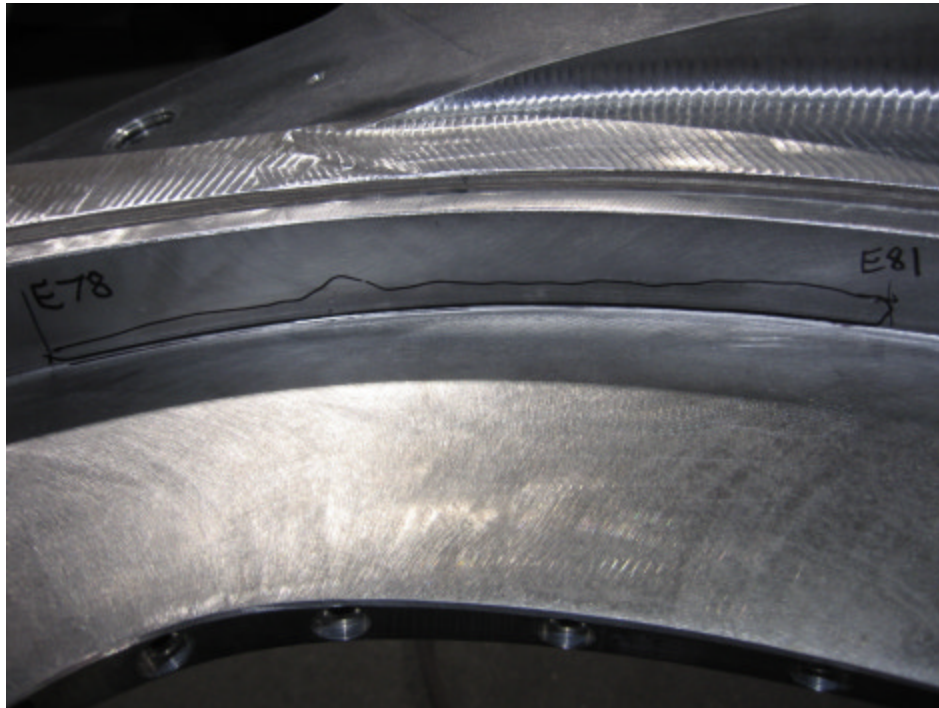
NC21265 – A5 Visual Review

Shallow tool marks on short leg of E side from T hole E86 to E1 thru E12. Marks are less than .005" but in too big of an area to try to blend out. Pictures to the right are close-up of the tool marks but even in the picture they are hard to see





Another area of tool marks between holes 78 and 81 on the E side short leg. Again, very shallow ($<.005''$).



Photos showing chamfers added to lead pad

