

1 possible to take a crack out, totally drilled out, and to  
2 fill it with appropriate heat treating with a weld. And  
3 that would be one way of repairing a casting.

4 There's an economic consideration there.

5 Q Well, put that aside.

6 A Then that's certainly a possibility that's  
7 acceptable.

8 Q Would that improve the cam gallery situation, in  
9 your view, to undertake such repair welds?

10 A I would want to say yes. I have one reservation.  
11 He could put a different material in that area without  
12 making sure that it's not going to be some hard brittle  
13 inclusion which is going to cause further cracking.

14 As long as I did the heat treating right, as long  
15 as there's no degenerate structure, then I would feel very  
16 comfortable recommending it.

17 Q Mr. Hubbard?

18 A (Witness Hubbard) This goes back to a previous  
19 answer. But a non-destructive way of demonstrating whether  
20 the crack is propagating or not would have been to do crack  
21 mapping over the last number of months. In other words, if  
22 one had taken NDE readings originally and then at each  
23 month, or two months after operation you'd continue to do  
24 that, you'd have some evidence of whether the crack is  
25 growing.