

EXTREME CONDITIONS

10-24-79

C. J. Sweet

	1	2	3	4	5	6
Started-10-24-79	Stock #1	Stock #2	Stock #3	Stock #4	Stock #5	Stock #6
	Cold Test - Pressed	Freezer 0°	Heat Test - Pressed	OVEN 240°	Stocks on Roof	Pressed
After 17 hrs. 10-25-79	Beak web cracked 1/2 way thru.	No cracks	8" CRACK INSIDE OF BEAK AND	No cracks	Cracks	Cracks
After 20 hrs 10-25-79	No Change	No Change	No Change	No Change	Water has been absorbed in chattering around butt plate. Cracks Present at rear web & behind Rear Lug	
Took Stocks #1 & 2 and Put them in the oven 240° #3 & 4 were put in the freezer at 0°						
After 20 hrs 10-26-79	Reinforcing web 3/4"	NO Usual Cracks	Reinforcing web slight crack due to cold test	Reinforcing web cracked All the way through. Whole area behind Rear Lug Cracked through. Cracks occurred in Freezer		

Red Dye Test For Cracks

12-22-77
C. J. Smith

	1	2	3	4	5	6
	Press Stock	Press Stock	Press Stock	Press Stock	Press Stock	Press Stock
	#7	#8	#8	#8	#10	#10
	No Rounds					
1	① Cracked at	Rec'd lug area	Cracked	Cracked at web		
2	reinforcing screw			at reinforcing screw		
3	webbing 90% thru					
4						
5	② Front 36L screw	Sealing band		A lot of dye		
6	hole cracked clear	Red dye absorbed		absorbed all		
7	thru	all thru wood		over		
8						
9	③ Rec'd Lug cracked	Reinforcing screw				
10		web cracked 302				
11	④ Dye was absorbed					
12	in checking					
13	areas					
14						
15						
16	Inspection ① Reinforcement screw web cracked					
17	Stock #8 ② dye absorbed all through the stock					
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						