

The National Board of Boiler and Pressure Vessel Inspectors
INITIAL BOILER CERTIFICATION REPORT (Form C-1)

BOILER INFORMATION				
JURISDICTION NO.	OWNER			
MANUFACTURER	OWNER ADDRESS			
YEAR BUILT	OWNER CITY/STATE			
BOILER TYPE	USER			
ENGINE NO.	USER ADDRESS			
OTHER NO.	USER CITY/STATE			
HEATING SURFACE	OPERATOR & LICENSE NO.			
BARREL INFORMATION				
INSIDE DIAMETER	SEAM TYPE			
TUBE SIZE/NUMBER	SEAM EFFICIENCY (from Table C-7600)			
TENSILE STRENGTH OF SHELL	MAXIMUM PITCH OF SEAM RIVETS			
MIN. THICKNESS OF SHELL	JACKET FULLY REMOVED FOR INSP			
MIN. THICKNESS OF TUBESHEET	MAWP OF BARREL (from Table C-7300)			
FIREBOX AND WRAPPER SHEET				
STAYBOLT DIAMETER (Base of Threads) OF THINNEST STAYBOLT				
STAYBOLT PITCH (Max) AT CROWNSHEET				
TYPE OF STAYBOLT (Telltale?)				
MINIMUM THICKNESS OF STAYED SURFACE				
MAWP OF STAYED SURFACES (from Table C-7400-1)				
TYPE OF BOTTOM (Ogee, Wet Bottom, etc.)				
CONDITION OF THREADED MOUNTING STUDS				
GRATES, GRATE SUPPORTS, DAMPERS, ASHPAN — SATISFACTORY?				
CLEANED FOR INSPECTION?				
SAFETY EQUIPMENT AND CONTROLS				
SAFETY VALVE (per S2.8.1)	MANUFACTURER	SET PRESSURE	CAPACITY	SIZE
FUSIBLE PLUG (per S2.8.4)	NEW "ASME" PLUG	OLD PLUG REMOVED FOR CROWN INSPECTION?		
FEED METHODS	INJECTOR(S) BRAND/SIZE	PUMP TYPE	PREHEATER TYPE	
WATER COLUMN		DRAIN	WATER LEVEL VERIFIED?	
GAGE GLASS (per S2.8.2)		GUARD	TYPE	
TRY-COCKS (per S2.8.3)		NUMBER	OPERABLE?	
PRESSURE GAGE (per S2.8.5)		DIAL RANGE	SYPHON TYPE	

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VALVES AND PIPING (per S2.9 and S2.9.1)	
MAIN STEAM (dome) VALVE	MAIN STEAM PIPING
THROTTLE VALVE	PIPE NIPPLES AT SHELL
FEEDLINE STOP VALVE(s)	FEEDLINE CHECK VALVES
FEEDWATER PIPING TO INJECTORS & PIPING	BLOWDOWN PIPING
STEAM PIPING TO INJECTORS & PIPING	BLOWDOWN VALVES
INJECTOR ISOLATION (steam & water) VALVES	PIPING SUPPORTS
BLOWER VALVE	BLOWER PIPING
EXISTING REPAIRS AND ALTERATIONS	
EXTERNAL VISUAL INSPECTION FINDINGS	
INTERNAL VISUAL INSPECTION FINDINGS	
MAWP CALCULATIONS USING ULTRASONIC THICKNESS MEASUREMENTS	
BARREL: $P = (TS \times T_{min} \times E) / (R \times FS)$ [per Table S2.10.3]	FIREBOX: $P = (T^2 \times S \times C / \text{Pitch Max}^2)$ [per Table S2.10.4]
HYDROSTATIC PRESSURE TEST (per S2.6.1)	
TEST PRESSURE — PSI	TEST TEMPERATURE — °F
TEST DATE	TEST PROBLEMS

INITIAL BOILER CERTIFICATION REPORT (Form C-1) *continued*

OPERATING INSPECTION AT PRESSURE	
ABSENCE OF LEAKS	TEST OF INJECTOR(S) & PUMP (if used)
TEST OF TRY-COCKS	OPERATION OF THROTTLE & GOVERNOR
TEST OF BLOWDOWN VALVE	TEST OF SAFETY VALVE(S)
	VALVE POPPING POINT & BLOWDOWN
NOTES	