



Brdr. Christensens Haner A/S


Cavity Relief Test Report

Factory order:	15566	Tag nr. / Item no.:	Item 3
Type:	55-AP 90169 CC-40B2	Size:	16"
Pressure rating:	Class 600	Connection	RF
Material:	ASTM A995 CD3MN	Standard:	API 6D
Serial no.:	2C.62202-1		
Max. CWP	: 103,4	Bar	
Shell, test pressure	: 156	Bar	
Seat, test pressure	: 114	Bar	
Test medium	: Water		
Lækage observed at	: 190	Bar	
After leakage has been observed, the pressure shall fall and leakage shall stop	Accept: Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Test equipment:			
Test bench, no.:	:	7	
Gauge no.:	:	35	
Torque wrench, no.:	:	-	
Pressure Recorder no.:	:	-	

Date:


Operator


Technical Manager


Inspector

**EIKOS
SERVICES**
WITNESSED

A4-77081 a

Brdr. Christensens Haner A/S

Skudehøje, DK - 4040 Haslev, Tlf.: Int. 45 56 26 26 26, Telefax 45 56 36 00.

Date: 04.05.05 SRT/SHE	Pressure test	Sheet no. 36.52 a
Replacing sheet no. New sheet. Sign: SRT	Pressure test procedure no. 52	Page 1 of 1

Cavity Relief Test in accordance to 1144-25-B01-SPC-016 / SAT-XT0-PS-00-00-00019.

The purpose is testing the pressure relief bore system, which shall prevent line pressure escapes to the atmosphere, if an overpressure occurs in the inner cavities (between, in and below the two plugs).

The valve shall be tested free standing, and as lubricated.

The test result shall be recorded.

Medium : Water.
 Test pressure : Minimum 1,1 x cold working pressure.
 Duration : Not applicable.
 Acceptance : See below.

With both plugs in the closed position, the cavity between the plugs is pressurised through the drain connection. When the pressure has reached the specified test pressure, the pressure relief bore(s) are inspected for leakage.
 Acceptance: No visible leakage.

Medium : Water.
 Test pressure : Minimum 1,5 x cold working pressure.
 Duration : Not applicable.
 Acceptance : See below.

With both plugs in the closed position, the cavity between the plugs is pressurised through the drain connection. When the pressure has reached the specified test pressure, the pressure relief bore(s) are inspected for leakage.
 Acceptance: No visible leakage.

The pressure is raised until visible leakage is observed at the pressure relief bore(s). When visible leakage is observed, and fall of pressure is registered by the recorder, the pressure is removed.

Acceptance: When visible leakage occurs at the pressure relief bore(s), and the pressure is removed, the pressure shall drop and the leakage through the pressure relief bore(s) shall stop.

Safety:

While the test can be performed at high pressures, the safety aspect shall be emphasized, especially by the leakage inspection.

Documentation:

The test is documented by formula A4-77081 and print from test recorder.