




Device test card for combination devices		
for test equipment with electronic measuring transducer 176717000		
Device type:	Model:	LUKAS
Serial no.:		
Device holder:		
Regulations:	- operating instructions (device) - GUV-G 9102 - operating instructions (test equipment)	Test interval - according to GUV-G 9102 - after repair work

Basic safety instructions:

 **WARNING / CAUTION / PLEASE NOTE!**
Personal protective equipment must ALWAYS be worn when testing devices!

 In addition, adequate screening*) must ALWAYS be worn when carrying out the tests!
LUKAS rescue equipment may only be tested with LUKAS test equipment!

*) Appropriate screening may be obtained from your authorized LUKAS dealer or directly from LUKAS!

 **NOTE:**
Before using this test card, ensure that the card is up to date and only use the latest version.
The latest device test cards may be obtained from the LUKAS website or directly from LUKAS.

Test devices required for combination devices:

- Hydraulic aggregate (**note operating pressure**)
- Test manometer
- Spreader and combination test device
- Positioning bolts and spacer disks
- Measuring transducer
- Crack test set
- Stop watch
- Appropriate protective screening

Evaluation:

Results:					
Repaired on:					
Released for use on:					
Blocked / no longer approved for use on:					
Signature of test person:					

Visual Inspection:

Tests	Target value	Results	Results	Results	Results
Opening width of measuring arms at the tips	1)				
General sealing (leaks)					
Operability of the star grip					
Existence and stability of handle					
Blade arms free of cracks and nicks or deformations on the cutting surfaces					
The sliding plates, bolts and retaining rings of the blade arms are in place and in good condition					
Cutting surfaces fit on top of each other without making contact					
Torque of central bolt checked	1)				
Corrugation of the tips clean and well-edged, no tears					
Labels complete and legible					
Covers in perfect condition					
Couplings easy to operate					
Dust caps in place					
All hoses undamaged					
Anti-kink protection in place and undamaged					
Hoses are not yet 10 years old (see imprint date)					

1) The target values are to be taken out of the target value table for LUKAS rescue equipment and entered in the test table.

Remarks about visual inspection:

Functional test:

Tests	Target value	Results	Results	Results	Results
Environmental temperature during functional test °C / °F	15...35 / 59...95				
Pressure when pump is in operation (p_1 in bar)					
Pressure when closing the cylinder (p_2 in bar)					
Differential pressure p_{DIFF} ($p_{DIFF} = p_2 - p_1$)	2)				
Opening time, unloaded (in seconds)	3)				
Closing time, unloaded (in seconds)	3)				
Tip play perpendicular to the direction of force; offset [v6]	2)				
Spreading force test	2)				
Pressure or spreader force maintenance test Loss of pressure or spreader force after 1 minute	max. 10%				
Closing force test	2)				
Pressure or closing force maintenance test Loss of pressure or force after 1 minute	max. 10%				
No further movement when releasing the star grip while opening or closing	4)				

2) The target values are to be taken out of the target value table for LUKAS rescue equipment and entered in the test table.

3) Depending on the volume transported by the tested hydraulic aggregate, the relevant target values are to be taken from the diagrams (see target value table) and entered under "target value" in the test table. The transport volume is indicated in the technical data for the hydraulic aggregate or on the type label of the hydraulic aggregate. [Time deviations of $\pm 15\%$ are acceptable]

4) The star grip must automatically return to the neutral position and the tool arms may not automatically change position once they have returned to the neutral position (no run-on). If the conditions above are not met, a valve test must be carried out.

Remarks about functional test: