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Gas cylinders: flaw collection



Picture 1 und 2: Manufacturer defects

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Picture 3: design fault

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Picture 4: Manufacturer defect



Picture 5: Manufacturer defect

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Picture 6: Manufacturer defect

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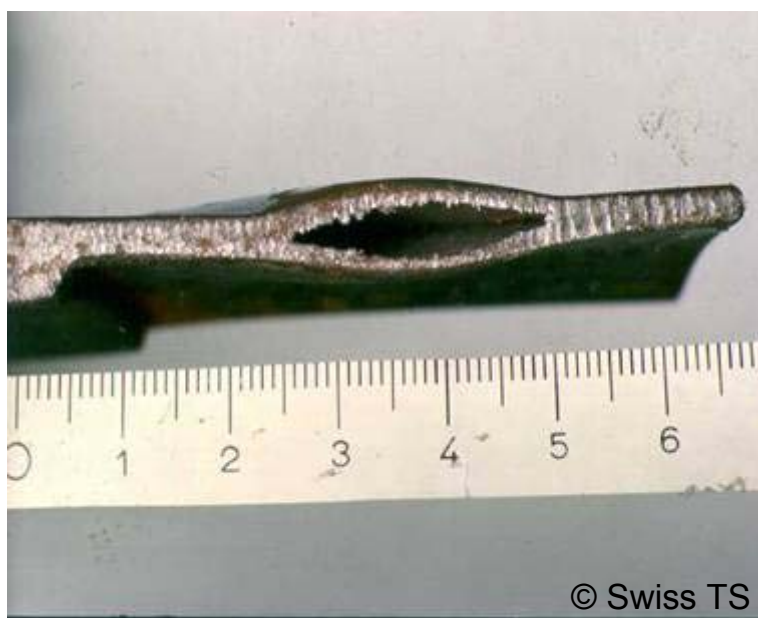
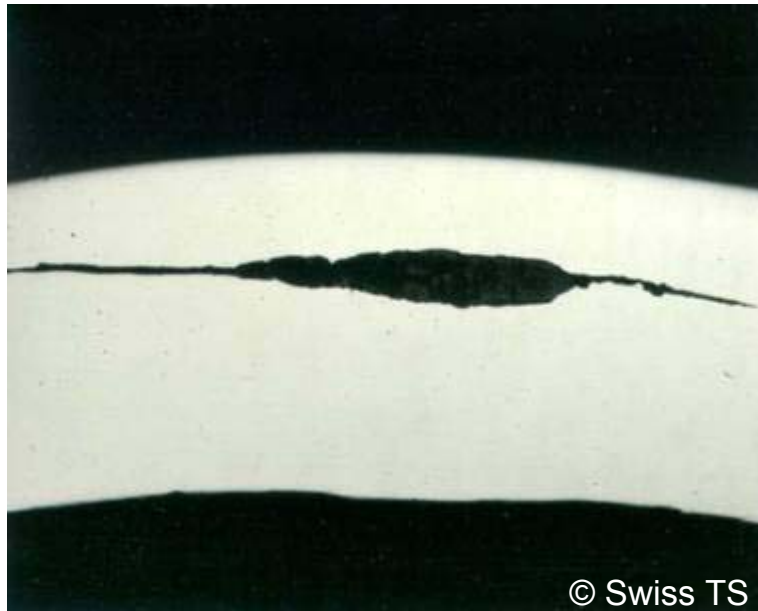


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Abbildung 7: Manufacturer defect

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Picture 8 and 9: Lamination

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**Picture 10: Lamination in the cylindrical part
Burst of the cylinder as a result of the flaw and
fatigue of material**

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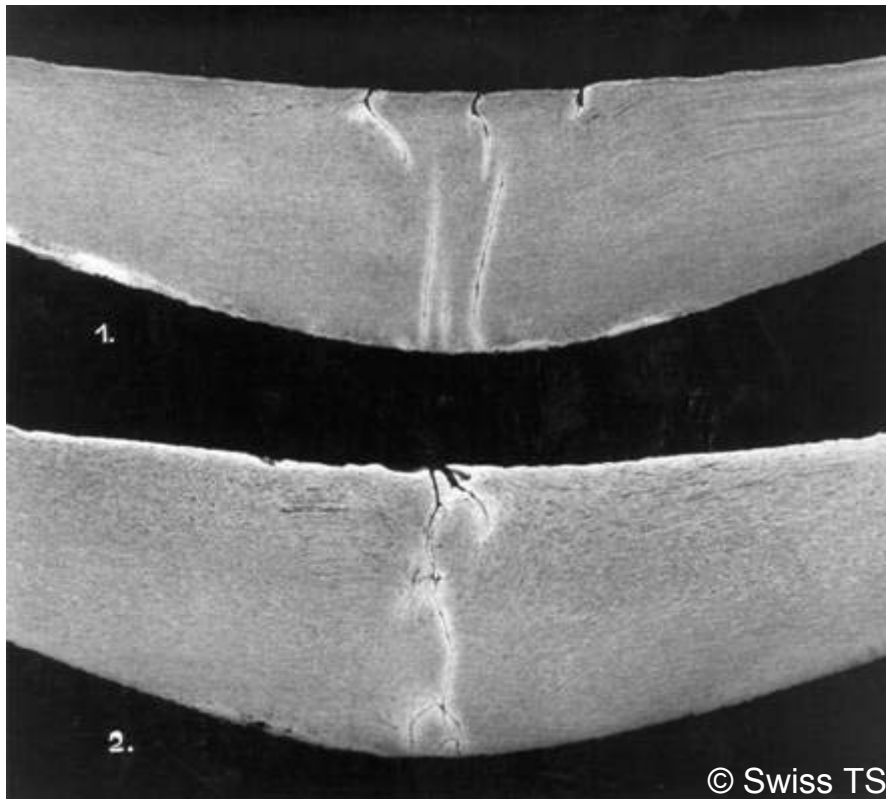


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Picture 11: Welding spot

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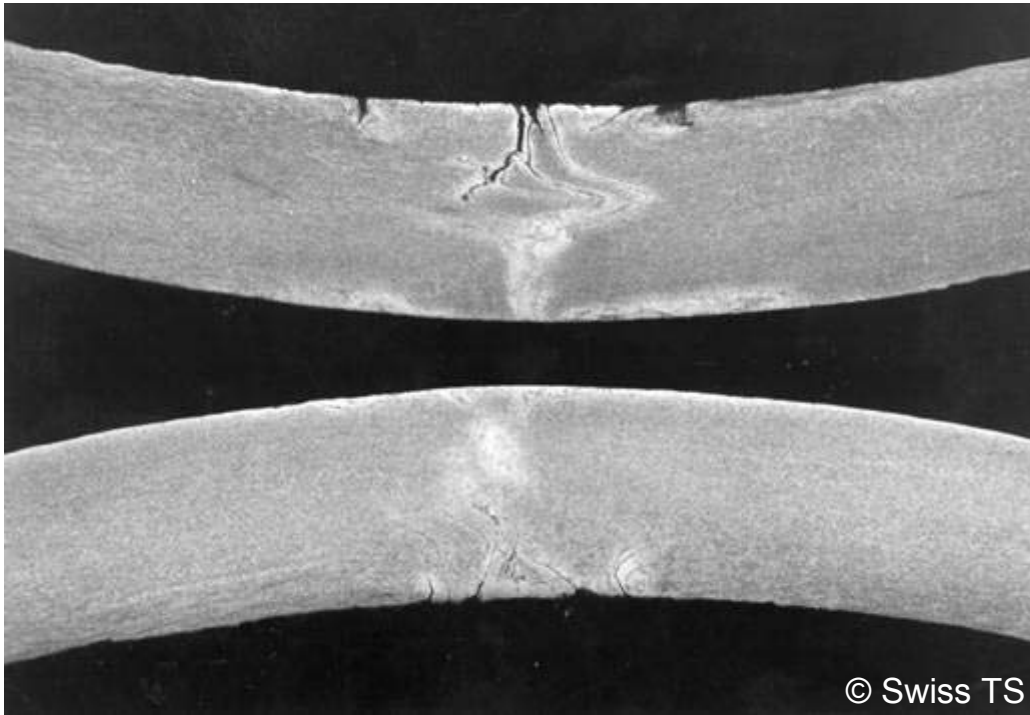
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Picture 12 and 13: Inclusion in the base

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Picture 14 and 15: Inclusion in the base



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Picture 16: Pitting corrosion

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Picture 17: Corrosion of aluminium

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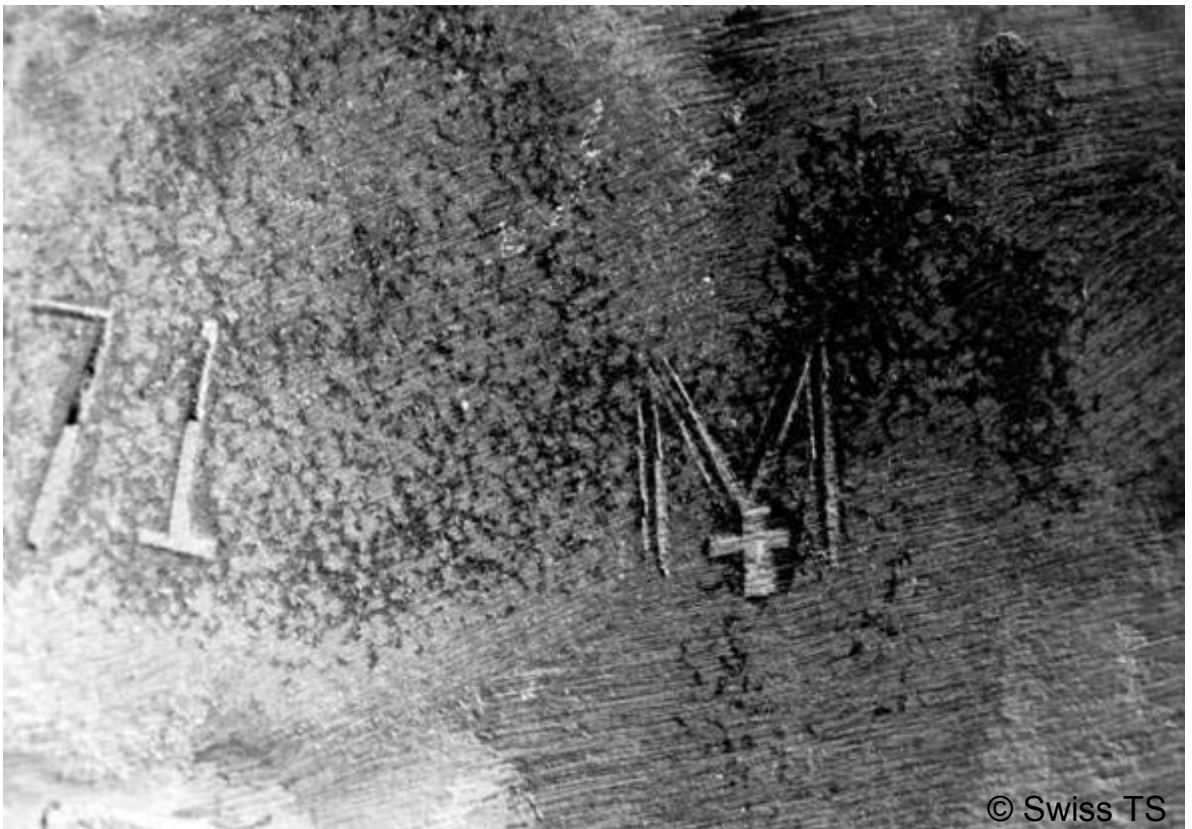


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Picture 18: external mechanical damage

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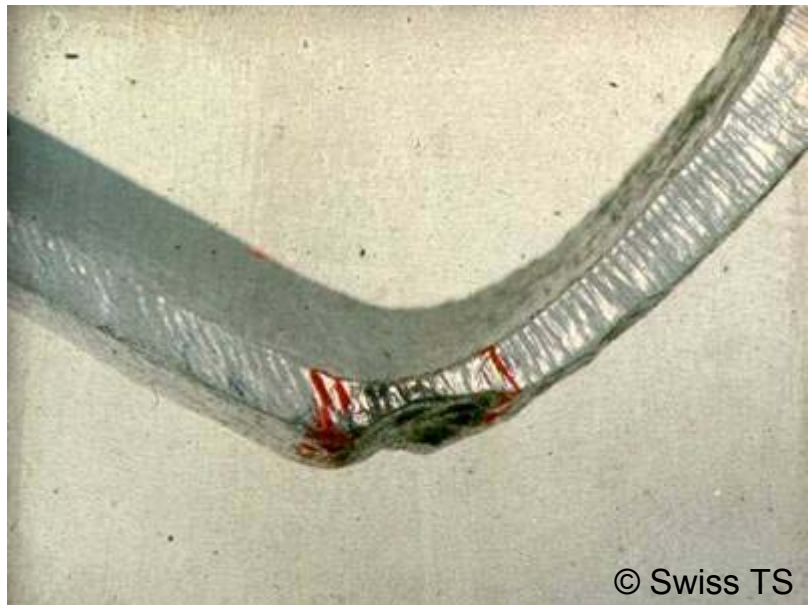
Picture 19: Self made control stamp

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Picture 20 and 21: Corrosion below feet ring

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Leakage in the cylindrical part

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Stored energy/ Safety aspects



Picture 1 to 3: disploded cylinder (1: water only, 2: water/air, 3: air only)

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Stored energy/ Safety aspects

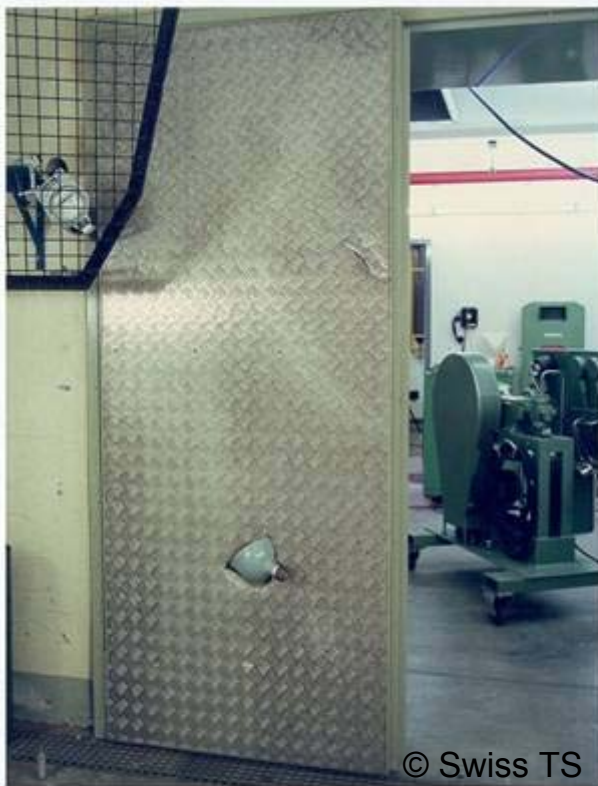


Picture 4: Comparison of water and air pressure burst test

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Stored energy/ Safety aspects



Picture 5 and 6: Result of a burst test