

DIN EN 12972:2015-04 (E)

Tanks for transport of dangerous goods - Testing, inspection and marking of metallic tanks

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Inspections and tests	7
4.1	General	7
4.2	Inspection for type approval	7
4.3	Initial inspection	9
4.4	Periodic inspection	9
4.5	Intermediate inspection	10
4.6	Exceptional checks	10
5	Procedures and documentation for inspections and tests	12
5.1	General	12
5.2	Examination of documents	12
5.3	Check of the design characteristics	16
5.4	Inspection of the tank interior	18
5.5	Inspection of the tank exterior	18
5.6	Hydraulic pressure test	19
5.7	Vacuum testing	23
5.8	Leakproofness test	24
5.9	Determination of capacity	26
5.10	Inspection of service equipment	27
5.11	Inspection of frame or other structural equipment of portable tanks and tank containers	27
5.12	Dynamic longitudinal impact test	28
5.13	Test report, certification and marking	28
	Annex A (informative) Applicable items of tank inspection - Survey Table	29
	Annex B (informative) Technical data for type approval	30
	Annex C (informative) Hydraulic pressure testing with gases - hazards and precautions	34
	Annex D (informative) Certificate of initial, periodic and intermediate inspection and exceptional check	36
	Annex E (normative) Tank plates for fixed tanks (tank vehicles) and demountable tanks for the transport of dangerous goods	38
E.1	Tank plate	38
E.2	Content of the marking of the tank plate	39
	Annex F (normative) Tank plates for tank containers or portable tanks for the transport of dangerous goods	40

F.1	Tank plate for tank containers or portable tanks for the transport of dangerous liquids and solids	40
F.2	Tank plate for tank containers or portable tanks for the transport of gases	41
	Bibliography	43