

Catalogue of inspections in accordance with Annex 1

Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
1.1.1	All wagons	Thickness of tyre	Compliance with dimensions set	VC, M	4
1.1.2		Tyre	Neither broken nor cracked	VC, HT	5
1.1.3		Tyre	Tight, not turned, clear ring, rust ≤ 1/3 of circumference	VC, HT	5
1.1.4		Tyred wheel	Control marks present	VC	4
1.1.5		Tyre	Tight, not displaced laterally	VC, HT	5
1.1.6		Tyre clip	Present, not cracked, not broken	VC	5
1.2.1	All wagons	Tyre (solid wheel)	Groove marking minimum thickness fully visible in cross-section	VC	4
1.2.2.1		Tyre (solid wheel), except wheels with cast-iron brake blocks and marked as able to withstand high thermal stresses	No thermal overload due to braking	VC	4
1.2.2.2.		Tyre (solid wheel), except wheels with cast-iron brake blocks and marked as able to withstand high thermal stresses	Tolerance range not exceeded during thermal overload due to braking	VC, M	5
1.3.1	All wagons	Tyre	Compliance with stipulated tyre width	VC, M	4
1.3.2		Wheel tread	No crushing of wheel tread, no uneven contact surfaces or irregular burrs on the wheel rim	VC	4
1.3.3.1		Wheel tread	Wheel Ø ≥ 630 mm, no wheel flat >60 mm	VC, M	4
1.3.3.2		Wheel tread	Wheel Ø < 630 mm, no wheel flat >30 mm	VC, M	4
1.3.4.1		Wheel tread	Wheel Ø ≥ 630 mm, no build-up of metal > 60 mm long or ≥ 1mm thick	VC, M	4
1.3.4.2, 1.3.4.4		Wheel tread	No build-up of metal > 10 mm long or < 1mm thick	VC	3
1.3.4.3		Wheel tread	Wheel Ø < 630 mm, no build-up of metal > 30 mm long or ≥ 1mm thick	VC	4
1.3.5		Wheel tread	No cavity or scaling > 60 mm long	VC, M	4
1.3.6.1		Wheel tread	No cracks at the interface between the wheel tread and the front edge	VC	5
1.3.6.2		Wheel tread	No sharp-edged notches in the front surface (rim and tyre) except for manufacturer's marks	VC	4

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
1.3.7		Wheel tread edge	No lubricants or paint, except the 4 control marks	VC	5
1.4.1	All wagons	Flange	Compliance with height Sh	VC, M	4
1.4.2		Flange	Compliance with flange thickness, no worn flange	VC, M	5
1.4.3		Flange	Dimension qR adhered to, no sharp flange	VC, M	5
1.4.4		Flange	No burrs or sharp edges on guide face at a distance h > 2 mm from highest point of flange	VC, M	5
1.5.1	All wagons	Wheel centre	Not cracked, no defects repaired by welding	VC	5
1.5.2		Wheel centre	No break or crack in spoke or rim	VC	5
1.6.1	All wagons	Axle	No damage; no grooving > 1 mm deep	VC, M	5
1.6.2	All wagons	Axle	No damage; no sharp-edged grooving > 1 mm deep	VC, M	4
1.6.3	All wagons	Axle	No part rubbing against axle	VC	4
1.7.1	All wagons	Wheel	No lateral displacement on axle; compliant value of "E"	VC	5
1.7.2		Wheel or immediate vicinity	No more than one of the following criteria on or near a wheel:	Check	4
			- brake triangle pin sheared off		
			- brake safety stirrup broken (see also 3.1.2)		
			- shiny traces on brake triangle end washer		
			- shiny traces on the inner spring (load spring) (see also 2.5)		
			- lifting safety catch (T) missing or loose (see also 2.5.5)		
			- Y25 bogies: hard manganese wear plate on axle boxes or guides missing or welded joints loose (see also 4.4.2)		
			- tread crushed in places, uneven contact surfaces or irregular burns on the wheel rim (see also 1.3.2)		

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
1.8.1	All wagons	Axle box housing	Housing should be watertight	VC	4
1.8.2		Axle box housing	Not twisted, undamaged, guidance assured	VC	5
1.8.3		Axle box	No hot boxes	VC, check using hand	5
2.1.1	All wagons	Spring leaves	Displacement < 10 mm with respect to the buckle	VC, M	4
2.1.2		Spring leaves	Main leaf not broken nor visibly cracked	VC	5
2.1.3		Spring leaves	No missing part	VC	4
2.1.4.1		Spring leaves	No crack on any other leaf < 1/4 of length of leaf from buckle centre	VC, M	4
2.1.4.2		Spring leaves	Intact	VC, M	3
2.1.5		Leaf spring	Sufficient spring clearance ≥ 15 mm; no recent traces of contact	VC, M	5
2.1.6		Buckle (leaf spring)	Intact, tight; key present and effective	VC	5
2.2.1.1	All wagons	Parabolic spring	No visible fracture or crack	VC	5
2.2.1.2		Parabolic spring	No breakage in buckle (no leaves touching for over 50% of their length)	VC	5
2.2.2.1		Parabolic spring	No longitudinal slippage of leaves in excess of 10 mm	VC, M	4
2.2.2.2		Parabolic spring	No longitudinal displacement of leaves	VC	3
2.2.3		Buckle (parabolic spring)	Intact, tight; key effective	VC	5
2.3.1	All wagons	Helical spring	Boss of spring buckle in position in its housing	VC	5
2.4.1	All wagons	Buckle boss	In position in its housing	VC	5
2.4.2		Shackle, link	Present and not displaced, damaged or out of position	VC	5
2.4.3		Link pin	Present and secured, not displaced	VC	5
2.4.4		Suspension links	Neither worn nor too long	VC	5
2.5.1	All wagons	Helical spring: main spring, tare spring	Not broken	VC	5
2.5.2.1	Empty wagons	Helical spring: auxiliary spring, load spring	In position, unbroken	VC	3
2.5.2.2	Loaded wagons	Helical spring: auxiliary spring, load spring	In position, unbroken	VC	5
2.5.3.1	All wagons	Damper rings per bogie	No rings missing, broken, damaged or unfit for use	VC	3
2.5.3.2		Damper rings per bogie	No more than one ring missing, broken, damaged or unfit for use	VC	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
2.5.4.1	All wagons	One spring cap per bogie	No cap exhibiting signs of contact or actually in contact with bogie frame	VC	3
2.5.4.2		Spring cap	Not more than one cap exhibiting signs of contact or actually in contact with bogie frame	VC	5
2.5.5	All wagons	Lifting T (safety catch)	Present and secured	VC	3
2.5.6		Suspension	No recent signs of bottoming	VC, M	5
3.1.1	All wagons	Brake rigging	No part hanging loose or damaged	VC	4
3.1.2		Safety strap	Present, in proper condition	VC	4
3.1.3.1		Brake isolating cock	Operable	OP	3
3.1.3.2		Brake isolating cock	Position clear	VC, OP	3
3.1.4		Empty/loaded or G/P changeover device	Operable	OP	3
3.1.5		Brake release pull	Present and unbroken	VC	3
3.2.1	All wagons	Cast-iron brake block	Present, unbroken; thickness above the required minimum	VC, M	3
3.2.2		Composite brake block	Present, no radial crack from friction surface through to plate edge, no visible crumbling of more than one quarter of the block length. Thickness above the required minimum.	VC, M	3
3.2.3		Friction components	Not projecting laterally	VC	4
3.3.1.1	All wagons	Main brake pipe	Operable	VC	4
3.3.1.2	- Reserved -				
3.3.2.1	All wagons	Brake couplings	Present, intact	VC	3
3.3.2.2	All wagons	Brake couplings	Only one coupler plugged in, with the other secured in holder	VC	3
3.3.2.3	- Reserved -				
3.3.3	All wagons	Coupler holder	Present, operable	VC	3
3.3.4		Air brakes	Inoperable brakes labelled accordingly	VC	3

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
3.3.5.1		Stopcock	Operable, air-tight, not forced, handle present	VC, OP	5
3.3.5.2		Stopcock, stopping device	Present and visibly in good condition	VC	4
3.4.1	All wagons	Spark arrestor plate	Present and not holed by rust	VC	4
3.4.2		Spark arrestor plate	Properly attached	VC	4
3.4.3	For the transport of dangerous goods in non-bogie wagons where RID regulations call for use of spark arrestor plates	Spark arrestor plate	Wagon must bear conventional symbol shown in Appendix 11 to the CUU, point 2.10 (spark arrestor plate authorised).	VC	5
3.5.1	All wagons fitted	Hand brake	Visibly operable	VC	3
4.1.1	All wagons	Underframe	No visible distortion; not buckled	VC	5
4.1.2		Solebar, headstock and intermediate crossbar	Not broken, cracks < 1/2 width of flange, longitudinal cracks < 100 mm near the suspension brackets, elsewhere < 150 mm; no cracking at visible welds	VC, M	4
4.2.1	All wagons	Axle guard	No distortion constituting a safety hazard	VC	5
4.2.2		Axle guard	Not broken	VC	5
4.2.3.1		Axle guard	Fastening effective, not loose	VC	5
4.2.3.2		Axle guard	No loose rivets or bolts on fastening	VC	3
4.2.4.1		Axle guard	No crack extending more than ¼ of horizontal section	VC, M	4
4.2.4.2		Axle guard	No crack	VC	3
4.2.4.3		Axle guard	No crack close to or running towards a fastening point	VC	5
4.3.1	All wagons	Axle guard tie bar	Present, neither broken nor visibly distorted	VC	4

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
4.4.1.1	All wagons	Check plate (bogie wagon)	No check plate missing per axle	VC	3
4.4.1.2		Check plate (bogie wagon)	Not more than one check plate missing per axle	VC	4
4.4.1.3		Check plate (non-bogie wagon)	Present	VC	5
4.4.2	All wagons with Y bogies	Hard manganese wear plates	Secured, present	VC	4
4.5.1	All wagons fitted	Suspension bracket	In good condition, correctly secured	VC	5
4.6.1	All wagons	Bogie/underframe connection	Intact, not displaced; connection and fastening components present and effective	VC	5
4.6.2.1		Earthing strap	All present, undamaged, tight	VC	3
4.6.2.2		Earthing strap	At least 1 present and effective	VC	3
4.7.1	All wagons	Bogie frame	Not cracked or visibly distorted	VC	4
4.7.2		Bogie frame	No broken components	VC	5
4.7.3	- Reserved -				
4.8.1.1	All wagons	Side bearer	Not broken (no missing part)	VC	4
4.8.1.2		Side bearer	Not broken (missing part)	VC	5
4.8.2		Side bearer spring	No broken	VC	4
4.9.1	All wagons	Friction surface of damper system	Not oil-besmeared	VC	4
5.1.1	All wagons	Buffer types	Clearly same types	VC	4
5.1.2		Buffer height	Within tolerance range	VC, M	5
5.2.1	All wagons	Buffer head	Present, not broken, distorted but functional; rectangular buffer heads not twisted	VC	5
5.2.2.1		Buffer head	Fewer than 1/3 of bolts or rivets loose	VC	4
5.2.2.2		Buffer head	No loose bolts or rivets	VC	3
5.2.3.1		Buffer head contact surface	Lubricated	VC	4
5.2.3.2		Buffer head contact surface	No grooving	VC	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
5.3.1	All wagons	Plunger	Present, not broken	VC	5
5.3.2.		Plunger	Not cracked at the transition to buffer head	VC	5
5.4.1	All wagons	Buffer guide	Present, not broken	VC	5
5.4.2		Buffer guide	Not cracked at transition to buffer base	VC	5
5.4.3		Buffer guide	No serious longitudinal cracking; still capable of guiding plunger	VC, M	5
5.4.4.1		Buffer guide securing bolts	Tight (less than 2 bolts loose)	VC, PM	5
5.4.4.2		Buffer guide securing bolts	All bolts present	VC, PM	3
5.4.4.3		Buffer guide securing bolts	Tight (no bolts loose)	VC, PM	3
5.5.1	All wagons	Buffer spring	Functional, with compliant dimensions, unbroken. No buffers slack enough to be depressed by hand by more than 15 mm or neither of the two buffers able to be depressed.	VC, M	4
5.5.2	Marked wagons	Anti-crash components	Not triggered	VC	5
5.5.3	Marked wagons	Marking for anti-crash components	Present, visible and in good condition	VC	4
5.6.1	All wagons	Screw coupler	Present in its entirety and undamaged	VC	3
5.6.2		Hook for hanging coupler on when not in use	Present, fit for use, undamaged	VC	3
5.6.3		Looped coupling link	Hanging from hook	VC	3
5.7.1.1	All wagons	Draw hook	Serviceable, not broken or cracked	VC	3
5.7.1.2		Draw hook	Not twisted	VC	3
5.7.2	- Reserved -				
5.8.1	All wagons	Other drawgear parts	Present, not broken or cracked, no abnormal projection	VC	4
5.8.2		Coupling	Train correctly coupled	VC	4

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
5.9.1	All wagons	Long-stroke damper	Effective, sliding element in central position, undamaged	VC	4
5.9.2		Marking of danger points	Present	VC	4
6.1.1.1		- Wagon number	Present, legible, complete	VC	4
6.1.1.2	RIV wagons	- RIV sign	Present, legible	VC	3
6.1.1.3	Wagons with exchange codes 41, 43, 45, 81, 83 or 85	- Agreement plate	Present, legible, complete	VC	4
6.1.1.4	All wagons	- Tare	Present, legible, complete	VC	4
6.1.1.5		- Braked weight of handbrake	Present, legible, complete	VC	4
6.1.1.6		- Load limits	Present, legible, complete	VC	4
6.1.1.7	Tank wagons	- Capacity	Present, legible, complete	VC	4
6.1.1.8	- Reserved -				
6.1.1.9	All wagons	- Length-over-buffers	Present, legible, complete	VC	4
6.1.1.10	Wagons with ladders	- High-voltage warning sign	Present, visible	VC	4
6.1.1.11	- Reserved -				
6.1.1.12	- Reserved -				
6.1.1.13	- Reserved -				
6.1.2.1	All wagons	- Overhaul markings	Present, visible, complete	VC	3
6.1.2.2		Overhaul (+ "3 M" if marked)	K label present, 15 days before expiry	VC	3
6.1.2.3		Overhaul (+ "3 M" if marked)	Not expired, correctly labelled in accordance with Annex 8	VC	4
6.1.3.1	All relevant wagons	Body framework	No damage	VC	3
6.1.3.2		Body framework	No damage which might compromise safety	VC, M	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
6.1.4.1	All relevant wagons	Walls	Secure, in good condition	VC	3
6.1.4.2		Walls	No damage which might cause goods to become damp or be lost	VC	4
6.1.5.1	All relevant wagons	Floor	Secure, watertight	VC	3
6.1.5.2		Floor	Secure, watertight, no risk of loss of load	VC	4
6.1.6.1	All relevant wagons	Doors and sliding walls	Fully closed and locked	VC	5
6.1.6.2		Doors and sliding walls	Present, not derailed, gauge not fouled	VC, M	5
6.1.6.3		Doors and sliding walls	Guiding and locking elements in good condition	VC	3
6.1.6.4		Doors and sliding walls	Guiding and locking elements in good condition and not compromising safety or causing a loss of load	VC	5
6.1.6.5	E, Ea	Doors	Undamaged	VC	3
6.1.6.6		Doors	No damage compromising operating safety	VC	5
6.1.7.1	All wagons	Ladders, gangways, guard rails	Operational	VC	4
6.1.7.2		Steps	Present (where clearly necessary)	VC	4
6.1.7.3		Steps	No damage representing a safety hazard for staff, not torn off, deformation within tolerated limits	VC, M	4
6.1.7.4		Handles	Present, no damage representing a safety hazard for staff, not torn off, deformation within tolerated limits	VC, M	4
6.1.7.5		Inscription plates, folding plates and label holders	Secured	VC	4
6.1.7.6		Inscription plates, folding plates and label holders	Present	VC	3
6.1.7.7		Loose wagon components	Present as marked on wagon	VC	3
6.1.7.8		Loose wagon components	Secured	VC	4
6.1.7.9		Signal brackets, rope eyes	Present, operable	VC	3
6.2.1.1	Covered wagons	Ventilation flaps	Present, undamaged	VC	3
6.2.1.2		Ventilation flaps	No damage compromising safety / load integrity or causing the gauge to be fouled	VC, M	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
6.2.2.1		Control gear, shutter retaining bracket	Securely hooked, not distorted, not loose	VC	3
6.2.2.2		Control gear, shutter retaining bracket	Not fouling the gauge	VC, M	5
6.2.3		Roof	Undamaged, intact	VC	4
		Weatherboard	Present, undamaged	VC	4
6.2.4.1		Convertible roof	Secured and closed	VC	5
6.2.4.2		Convertible roof	Not derailed	VC	5
6.2.4.3		Visible operating parts	Present, undamaged, effective	VC	4
6.3.1.1	Open wagons	Side walls and end flaps	Undamaged, closed, watertight	VC	3
6.3.1.2		Side walls and end flaps	Undamaged, watertight and closed; If damaged: no risk of loss of load	VC	4
6.3.1.3		Side walls and end flaps	Undamaged, watertight and closed; If damaged: no risk of fouling gauge	VC	5
6.3.2.1	All wagons	Closing and operating gear of end flaps (pin, camshaft, retaining hook and shaft support)	Present, no fractures or cracks, effective	VC	3
6.3.2.2		Closing and operating gear of end flaps (pin, camshaft, retaining hook and shaft support)	Present, no fractures or cracks, effective If damaged/missing: not compromising safety	VC	5
6.3.3.1		Cantrail	Not damaged or distorted	VC	3
6.3.3.2		Cantrail	Not damaged or distorted; If broken or distorted: no risk of fouling gauge	VC	5
6.4.1.1	Flat wagon	Side and end drop walls, folded down	Secured	VC	5
6.4.1.2		Side and end drop walls, folded down (not permitted under Table 3 of Loading Guidelines)	Raised	VC	5
6.4.1.3		Side and end drop walls	Not distorted	VC, M	3
6.4.1.4		Side and end drop walls	Not damaged or distorted; If damaged or distorted: no risk of loss of load	VC	4
6.4.1.5		Side and end drop walls	Not distorted; If distorted: no risk of fouling gauge	VC	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
6.4.2.1		Hinges, pins, securing bolts	Present, undamaged, operative	VC	3
6.4.2.2		Hinges, pins, securing bolts	Present, undamaged, operative; If missing or damaged: without risking any loss of load	VC	4
6.4.3.1		Stanchions (pivoting, retractable, detachable), stanchion sockets, holders and supports	Provided as necessary	VC	5
6.4.3.2		Stanchion (pivoting, retractable, detachable), stanchion sockets, holders and supports	Not fouling the gauge	VC	5
6.4.3.3		Stanchion (pivoting, retractable, detachable), stanchion sockets, holders and supports	Intact	VC	4
6.4.3.4		Stanchion chain	Hooked up	VC	4
6.4.3.5		Stanchion fasteners	Effective	VC	4
6.4.4.1		Bolsters	Intact	VC	3
6.4.4.2		Bolsters	Secured by stanchions or load	VC	4
6.5.1.1	Tank wagons	Tank cradle	No crack extending > 1/4 across the cross-section	VC, M	4
6.5.1.2		Tank cradle	No cracks in weld seams	VC	4
6.5.1.3		Tank cradle	All bolts or rivets securing the tank body to cradle present	VC	4
6.5.1.4		Tank cradle	90% of bolts or rivets securing the tank body to cradle present	VC	4
6.5.2.1		Tank body	Intact, no leaks or loss of load	VC	5
6.5.2.2		Tank body	No sharp-edged distortion (without loss of load)	VC	4
6.5.2.3		Tank body full, tank carrying RID load	Tank test deadline not expired	VC	5
6.5.2.4		Tank body empty, not cleaned, tank carrying RID load	Tank test deadline not expired	VC	5
6.5.3.1		Tank equipment	Tank cladding, sun roof and insulation undamaged	VC	4
6.5.3.2		Tank equipment	Tank cladding, sun roof and insulation securely fastened	VC	5
6.5.4	- Reserved -				

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
6.5.5.1	Tank wagons	Reinforcement, filling and emptying equipment (underside)	No leakage of load	VC	5
6.5.5.2		Filling and emptying equipment (underside)	Closed and visible fasteners secured	VC	4
6.5.5.3		Valves or spouts (underside)	Undamaged	VC	5
6.5.5.4		Lower screw cap (except outside gas pipes), RID load	Present and fit for use	VC	4
6.5.5.5		Lower screw cap (except outside gas pipes), non-RID load	Present and fit for use	VC	3
6.5.5.6		Lower blind flange	Present and tight	VC	4
6.5.5.7		Lower blind flange, RID load	No bolts missing	VC	4
6.5.5.8		Lower blind flange, non-RID load	No bolts missing	VC	3
6.5.5.9		Lower blind flange	Not more than one bolt missing	VC	4
6.5.5.10		Bottom valve indicator device, loaded wagon, and empty wagons that have not been cleaned (RID load)	In closed position	VC	5
6.5.5.11		Bottom valve indicator device, empty wagon (non-RID load)	In closed position	VC	3
6.5.5.12		Emergency control bolt for the bottom valve	Not screwed in	VC	5
6.5.6.1		Reinforcement, filling and emptying equipment (topside)	No loss of load or gas leakage (except ventilation device)	VC	5
6.5.6.2		Dome cover	Present, closed, visibly locked	VC	5
6.5.6.3		Other upper closing devices	Properly locked	VC	4
6.5.7	- Reserved -				

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6.6.1	e.g. Rils, Tams	Sheeting	Closed, locked	VC	5
6.6.2.1	e.g. S(a)hi	Hood	Closed, locked	VC	5
6.6.2.2	e.g. S(a)hi	Hood	Not derailed	VC, PM	5
6.6.3.1	e.g. Saad	End gangway	Undamaged	VC	4
6.6.3.2	e.g. Saad	End gangway	Locked at both ends	VC	5
6.6.3.3		Fastening devices	Effective	VC	4
6.6.3.4		Wheel scotches	Undamaged	VC	3
6.6.4.1	ACTS wagons	Swivel frame	Undamaged	VC	4
6.6.4.2		Locking device to prevent frame from swivelling	Effective, locked	VC	5
6.6.4.3		Pneumatic monitoring system on the swivel lock	In service (unless labelled otherwise)	VC	4
6.6.4.4		Pneumatic monitoring system on the swivel lock has triggered	Swivel lock effective and locked	VC	3
6.6.4.5		Device to prevent container lifting	Effective and secured	VC	5
6.6.4.6		Device to prevent container displacement	Effective	VC	5
6.6.5.1	Car-carrying wagons	Lifting equipment, crossover gangways	Undamaged	VC	4
6.6.5.2		Wheel scotch, wheel guides, crank handle	Undamaged	VC	3
6.6.5.3		End boards, crossing gangways	Raised and secured – if present	VC	4
6.6.5.4		Upper loading deck	Indicating device folded away	VC	4
6.6.5.5		Upper loading deck	Secured	VC	5
6.6.5.6		Upper loading deck	Lying on supporting brackets	VC	5
6.6.5.7	Loaded car-carrying wagon	Upper loading deck	No fouling of the gauge	VC	5

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Code no.	Wagon	Component	Quality requirement	Control criteria ¹⁾	Irregularity category
6.6.6.1	Empty self-discharging wagon	Discharge valve	Closed and locked	VC	3
6.6.6.2	Loaded self-discharging wagon	Discharge valve	Closed and locked	VC	4
6.6.7.1	E.g. Snps, Roos, Ealos	Securing equipment not in use	Suitably and adequately fixed and secured	VC, OP	4

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Code no.	Designation/elements	Quality requirement	Control criteria (1)	Category of defect
7.1.1	Load	Not displaced	VC	5
7.1.2	Distribution of load (3.3)	Body horizontal, showing no signs of poor distribution	VC	5
7.1.3	Packages, bales, bundles, stacks (1.5)	Correctly stowed and tied together	VC	4
7.1.4	Narrow cylindrical objects (1.5)	Adequately tied	VC	4
7.1.5.1	Gauge (4.1)	Not fouled	VC, M	5
7.5.1.2	Gauge	Permissible fouling of gauge marked	VC	5
7.1.6	Load projecting beyond headstock (4.2)	No encroachment on reserved spaces	VC	5
7.1.7	Load limits (3.2)	Body showing no sign of overloading, buffers level, sufficient clearance between spring buckle and solebar	VC	5
7.1.8	Buffer wagon (4.3)	Sufficient clearances between loads or between buffer wagon and load	VC, M	5
7.1.9	Sheeting, net (6.1, 6.2)	Conditions of use adhered to	VC	4
7.2.1	Load projecting beyond walls or sides of wagon (5.4.1)	Adequately retained	VC	5
7.2.2	Leaning load (2.3)	Not causing damage to structural elements of wagon, or obstructing their functioning	VC	4
7.2.3.1	Load secured by stanchions (2.5 and 5.4.1)	Adequately retained	VC, M	5
7.2.3.2	Transverse lashing ropes between stanchions (2.5)	Present where required	VC	5
7.2.3.3	Load pressing against stanchions (2.5)	No distortion of stanchions	VC	5
7.2.3.4	Heavy load or one which may damage the side stanchions should it move lengthways (2.5)	Securely wedged, not touching stanchions	VC	4
7.2.4	Scotches fastened with nails (5.4.3)	Suitable, effective and correctly fixed to the floor	VC	5
7.2.5.1	Direct or indirect fastenings (5.4.4, 5.5.4)	Made from suitable and approved materials	VC	5
7.2.5.2		Sufficient and correctly fastened	VC	5
7.2.5.3		Not slack	VC	4
7.2.6.1	Bolsters, timbers, stretchers stowing material (5.5.5, 5.6.2, 5.8.1)	Adapted to load and visibly well positioned and secure	VC	5
7.2.6.2	Loading tackle and stowing material	Tidied away	VC	3

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Code no.	Designation/elements	Quality requirement	Control criteria (1)	Category of defect
7.3.1	Load stability (5.1)	Ensured	VC	5
7.3.2	Goods which may be lifted by air flow, e.g. light scrap and light boards (5.2.1, 5.3.2)	Sufficiently well covered	VC	5
7.3.3.1	Goods which may fall off (vibrations, impacts) (5.2.2)	Sufficient clearance between the goods and the top of the wagon sides	VC	5
7.3.3.2	Height of dome-shaped load	Compliance with dimensions	VC	5
7.3.4	Stacked goods (5.8)	Correctly stacked, adequately bound and secured, uniformly distributed	VC	5
7.3.5.1	Load with small bearing surface (2.2)	Base provided in order to distribute weight over a greater area without damaging floor	VC	3
7.3.5.2	Concentrated loads	Suitable scotching materials of the correct dimensions	VC, M	5
7.3.6	Load liable to tip over (5.7)	Secured to avoid overturning	VC	5
7.3.7	Inclined load (5.7)	Adequately propped up	VC	5
7.3.8	Load liable to roll (5.6.1, 5.6.2)	Secured to prevent rolling	VC	5
7.3.9.1	Load able to slide lengthways (5.5.1)	Resting on suitable devices (skid, longitudinal slide arresters, lateral guide-pieces, etc.)	VC	4
7.3.9.2	Lateral guidance	In place, sufficient and with no risk of fouling the gauge or exceeding the load limit	VC, M	5
7.3.9.3	Necessary clearances	Provided	VC, M	3
7.3.9.4	Necessary room to slide	Limited	VC, M	4
7.4.1	Vehicle or machinery on wheels or caterpillar tracks (5.6.3)	Properly scotched and fastened	VC	5
7.4.2.1	Moving parts on load	Secured	VC	3
7.4.2.2	Moving parts on load	Secured. If not secured, no risk of the gauge being fouled	VC	5
7.4.3	Load supported on several wagons (5.9)	Loaded and secured in accordance with requirements	VC	5

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Code no.	Designation/elements	Quality requirement	Control criteria (1)	Category of defect
7.5.1	Locking device for dollies	Auxiliary equipment present and effective	VC	4
7.5.2.1	Load unit end doors	Closed (unless load unit doors back to back)	VC	5
7.5.2.2		More than one fastener effective per load unit and door	VC	3
7.5.2.3		At least one fastener effective per load unit and door	VC	5
7.6.1	Lower ISO corner castings	Intact	VC	5
7.6.2.1	Trestle (empty wagon)	Intact	VC	3
7.6.2.2	Trestle (loaded wagon)	Intact	VC	5
7.6.3	Coupling pin locking device	Effective	VC	5
7.6.4	Trestle not in use	Locked	VC	4
7.6.5	Trestle handwheel	Locked, within the gauge	VC	4
7.6.6.1	Moving parts (e.g. retractable spigots, handrails for shunters, etc.)	Not properly secured, with no risk of fouling the gauge	VC	3
7.6.6.2	Moving parts (e.g. retractable spigots, handrails for shunters, etc.)	Not properly secured, with risk of fouling the gauge	VC	5
7.6.7.1	Crash elements of trestle	Deformed, loaded wagon	VC	5
		Deformed, empty wagon	VC	4
7.7.1	Load unit on carrier wagon	Within load requirements for wagon	VC	5
7.7.2	Load unit on carrier wagon	All corner castings engaged on their respective spigots	VC	5
7.7.3	Lowerable pins	All pins engaged and locked	VC	5
7.7.4	Semi-trailer	Air suspension emptied	VC	5
7.7.5	Semi-trailer	Rear underrun bumpers, where possible on a given design, raised, pushed in, secured, without contact with the carrier wagon	VC	3
7.7.6	Semi-trailer	On semi-trailers with P coding: no contact between semi-trailer and wagon other than through wheels and trestle	VC	4

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Code no.	Designation/elements	Quality requirement	Control criteria (1)	Category of defect
7.7.7	Semi-trailer	On semi-trailers with N coding: no contact between semi-trailer and wagon other than through wheels, skids and longitudinal members in the intended support areas	VC	4
7.7.8	Scotching of semi-trailer	Correct scotching	VC	4
7.7.9	Loading into load unit	No visible signs of distortion	VC	5
7.8.1	Markings, coding for combined traffic	At least one plate present and legible	VC	5
7.8.2	Wagon coding indicating permissible load units	Marking present on wagon	VC	5
8	- Reserved -			