



POWERVE Report

Control System Owner: test3

6b328d36-e827-4993-b65b-3c55272a7754



Main Information

Date of measurement: 2018-05-04 06:41:14

Identification code: Demo

Rolling Stock Category: Locomotive Demo

Operator Identifier and Name: Demo Operator

Location: Test Location

Regulatory Compliance: EN 15654-2

Measurement Information

Associations between Acquisition Board and Wheel per each step. The table reports the wheel names, the acquisition board serials and their last calibration.

Step 1	
1	32: ABC0153 2017-12-22
2	32: ABC0151 2017-12-22
3	31: ABC0152 2017-12-22
4	31: ABC0150 2017-12-22
5	21B: ABC0064 2017-12-22
6	21B: ABC0061 2017-12-22
7	21A: ABC0063 2017-12-22
8	21A: ABC0062 2017-12-22

Measurement Description: Measurement direction is Left. The measurement is done in 1 step/s.

Additional Note:

Vehicle Information

Wheelbase (mm): 2200

Bogie center distance (mm): 6700

Wheels at max diameter: Yes

Washing water windscreen full: Yes

Suspension: Spring

Is vehicle complete?: Yes

Clean water tanks full: No - 3/4

Fuel tanks full: No - 1/4

Sand boxes full: No - 2/4

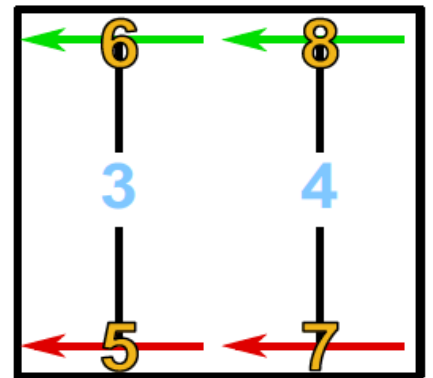
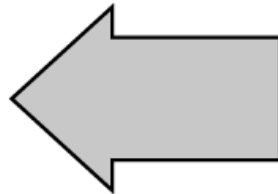
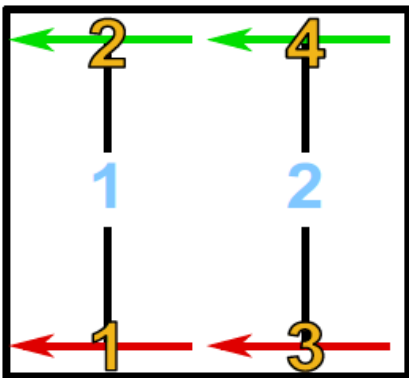
Track gauge (mm): 1435



Green Side Picture



Red Side Picture





Carbody		A			
Running Gear i		I		II	
Wheelset j		1	2	3	4
Axlebox numbers, right		2	4	6	8
Axlebox numbers, left		1	3	5	7
Wheel load, right	t	10.02	9.99	10.02	10.01
Wheel load, left	t	9.98	10.01	10.03	9.99
Wheelset load $P_{0,j}$	t	20.00	20.00	20.05	20.00
Wheel force, right	kN	98.30	98.00	98.30	98.20
Wheel force, left	kN	97.90	98.20	98.39	98.00
Wheelset force $P_{0,j}$	kN	196.20	196.20	196.69	196.20
Relative wheel force deviation Δ_{q_j}	%	0.20	-0.10	-0.05	0.10
Admissible wheel force deviation $ \Delta_{q_{adm,j}} $	%	2.00	2.00	2.00	2.00
Compliance Δ_{q_j}		Yes	Yes	Yes	Yes
Sum of axle loads per running gear $\Sigma P_{F0,rg,m,i}$	t	40.00		40.05	
Mean wheelset force of running gear $P_{F0,rg,m,i}$	kN	196.20		196.45	
Mean axle load of running gear $P_{0,rg,m,i}$	t	20.00		20.03	
Relative axle load deviation inside running gear Δ_{p_j}	%	0.00	0.00	0.12	-0.12
Admissible axle load deviation inside running gear (Source) $ \Delta_{p_{adm,j}} $	%	2.00	2.00	2.00	2.00
Compliance Δ_{p_j}		Yes	Yes	Yes	Yes
Relative side-to-side wheel force deviation of vehicle $\Delta_{q_{side,veh}}$	%	0.04			
Admissible side-to-side wheel force deviation of vehicle (Source) $ \Delta_{q_{side,veh,adm}} $	%	2.00			
Compliance $\Delta_{q_{side,veh}}$		Yes			
Vehicle mass m_{veh}	t	80.05			