

8th Session of the RID Committee of Experts' standing working group
(Utrecht, 20 to 24 November 2017)



BASF Class Tank Container (B-TC) – an intermodal tank container type Innovation to make rail more competitive

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Innovative mobile tank concepts

Volume

70,000 liter

Payload

64 tons



Volume

63,000 liter and
73,500 liter

Payload

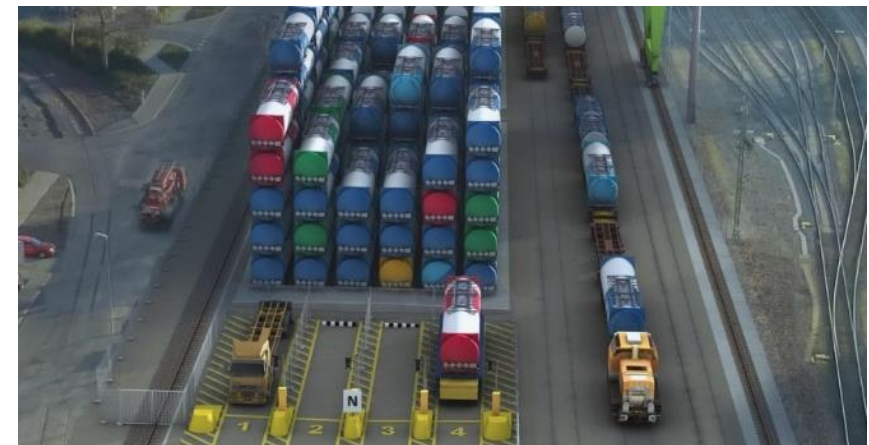
66 tons



Innovative mobile tank concepts

Automated tank container yard

Capacity [TEU]	2,000
Stacking heights	6
Cranes	2
Tracks under crane	3
Loading stations truck/AGV	8
Start operation	6/2018



BASF Class Tank Container (B-TC) approved for Dangerous Goods transport (ADR & RID)



45' (L4BH) 63.000 Liter, 66 t Payload



52' (L4BH) 73.500 Liter, 66 t Payload



45' (L4BH) 53.500 Liter, 66 t Payload



45' (L4DH) 62.500 Liter, 66 t Payload

Rail cars for external rail transport

New rail cars under construction
GATX / WBN



Modular rail tank car
Bigger distance Buffer ↔ TC

[Only for products requiring 10 bar tank containers in addition equipped with Crash Buffers & anti Climbing]

possible

Under construction

16 m (45')

16 t – 17 t

1.10 m (G1)



Humb process

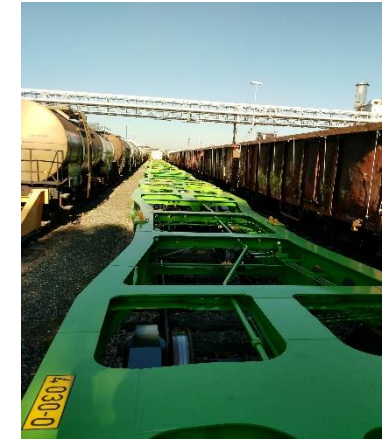
Noise

Length

Tara

Height

New rail cars already in use
Wascosa / Tatravagonka



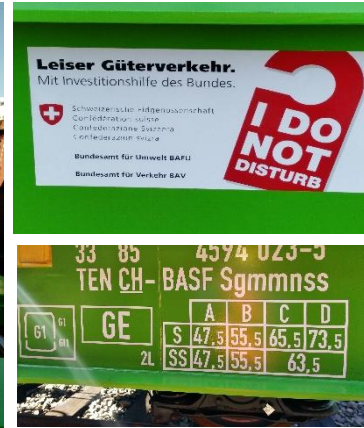
possible

78 dB (45') & 80 dB (52')

15.15 m (45') – 17 m (52')

16.5 t

1.10 m (G1)



Intermodal transport with Automated Guided Vehicle



Autonomous operations

Tele-operated operations

Length

Pay Load

Positioning

Transponder & sensory

Control room observe

16.5 m

78 t

$\pm 3\text{cm}$





We create chemistry