

NS Series 2400 (1950-1970) for TS Classic



MANUAL

Version 2.1

Contents

Background.....	3
NS series 2400-2500.....	3
Installation tips.....	4
General.....	4
Other tips.....	4
Rolling stock.....	5
TS Object Browser Index.....	5
Preloads.....	5
Operation.....	6
Colophon/Credits.....	8

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Background

NS series 2400-2500

In the same period in time when the 2200/2300 series were built by Alsthom, this manufacturer also ran an assembly line for a universal light to medium goods diesel-electric locomotive, intended for service with the railways in the Franco-African territories. In order to speed up the transition from steam traction the Dutch Railways (NS) placed an order for 130 units of this model in 1954. Constructed on a fully welded frame, the engine layout consists of five compartments, which successively house the air equipment, the fans, the diesel engine with generator, the cab and the batteries. Another French factory, the SACM, supplied the 8-cylinder engines. The machines could be run in multiple-unit mode, i.e. two or more coupled locomotives could pull a train operated by one driver. The locomotives served NS until the 80s. Seven locomotives were sold to Volker Stevin for the construction of a port in Saudi Arabia and a larger part of the series returned to France to be used in work trains for the construction of TGV routes. Of this group, the 2561, 2407 and the 2454 were repatriated. They have been completely restored into working condition and pressed into service within the Dutch preservation scene, like VSM, STAR and 2454 CREW.

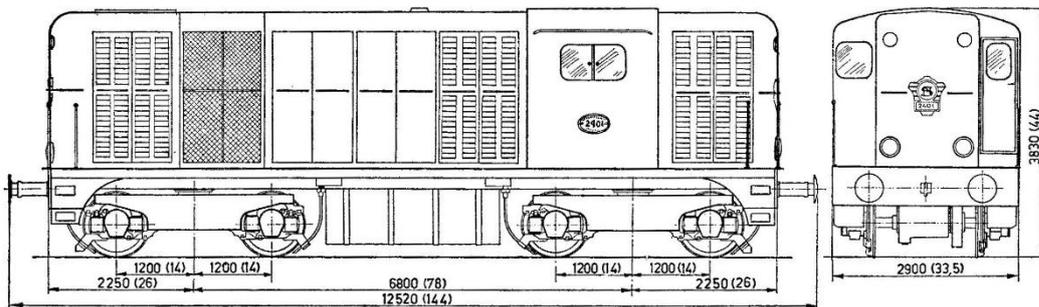


Photo: R. 't Hooft

Installation tips

General

The NS series 2400 from Wilbur Graphics is supplied as a .zip file and includes the following items in addition to a Readme_EN.txt:

- Folder Manuals\Wilbur Graphics with English, German and Dutch manuals:

WG_NS_2400_tp3_Handbuch_V2_1.pdf
WG_NS_2400_tp3_Manual_V2_1.pdf
WG_NS_2400_tp3_Handleiding_V2_1.pdf

- installer WG_NS_2400_tp3_V21_build_20231201.exe

After launching the installer, you will be prompted to

- Select a language for the installer (Dutch/English/French/German)
- Accept the License Terms (EULA)

See the `release notes.txt` for the latest changes and improvements.

Other tips

- The .zip file must be fully unpacked before you can begin the installation.
- If the installation software cannot find the Railworks folder on your system, the reference to this folder in the Windows registry may no longer be valid. This situation occurs if you have moved the Steam environment to another computer or disk drive. You solve this by repeating the installation of Steam.
-



Rolling stock

TS Object Browser Index

Scenario Editor	Folder	Object ID
WG NS 2447 tp3	Rollmat_NS	WG_NS_2447_tp3
WG NS 2471 tp3	Rollmat_NS	WG_NS_2471_tp3
WG NS 2517 tp3	Rollmat_NS	WG_NS_2517_tp3

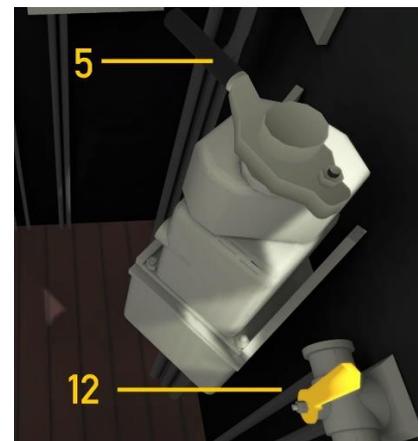
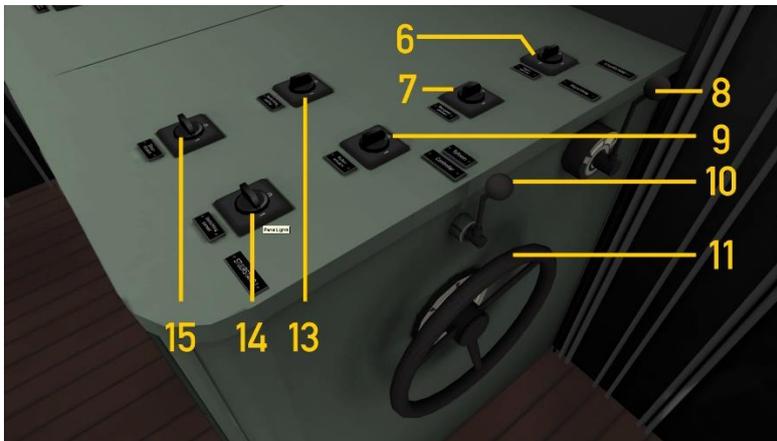
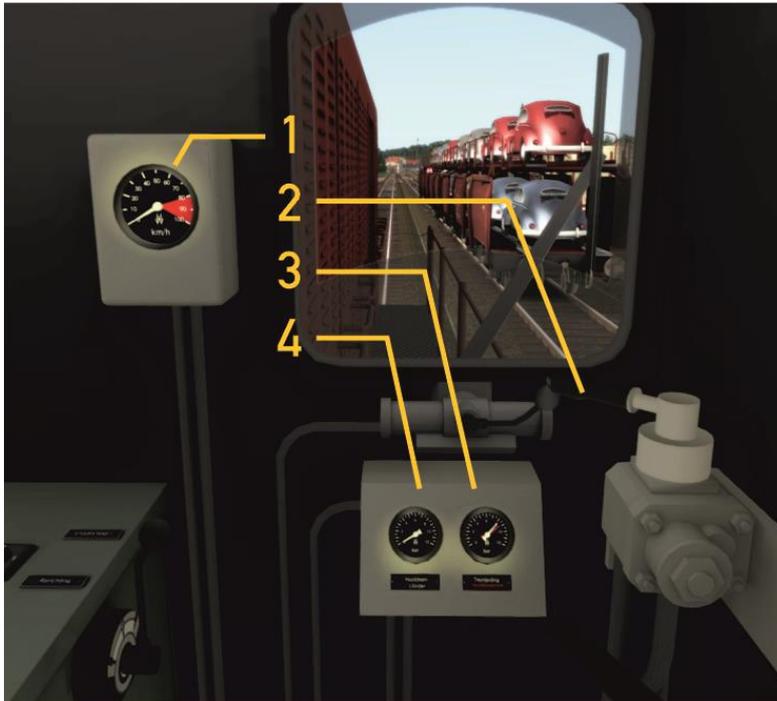


Preloads

- WG NS 2447 tp3 (light engine)
- WG NS 2447 tp3 with 2-axle goods
- WG NS 2471 tp3 (light engine)
- WG NS 2471 tp3 with coal train
- WG NS 2517 tp3 (light engine)
- WG NS 2517 tp3 with tubes

All rolling stock in these preload consists are part of the add-on and will be installed with the engine objects.

Operation



1	Speedo		10	Wipers	V
2	Engine brakes	[&]	11	Controller	A & D
3	Trainbrake pipe/main res. pressure		12	Sander	X
4	Brakecylinder pressure		13	Panel lighting	CTRL+F12
5	Train brake control	; & '	14	Cab lighting	CTRL+F11
6	Head/tail lights	Headlights	15	Control current on/off	CTRL+0
7	Shunting lights	CTRL+F9			
8	Reverser	W & S			
9	Horn	SPATIEBALK			
	Horn (short)	N			

Operating the engine does not deviate from the TS standard, but when reversing it is difficult to move the controls with the mouse because steering position 2 is mirrored with steering position 1, just like in reality. The engine and train brake controls have ended up in the right place, also in line with the real world.



Colophon/Credits

Development and production:

© Wilbur Graphics, Henk van Willigenburg (www.wilburgraphics.com)

Tips and advice:

ChrisTrains.com

TrainworX (Paul Mersel)

Ton van Schaik

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Testing:

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