

Homologation of a Hopper wagon of type Tanoos from Ateliers du Groupe Ermewa according to TSI CR NOISE and TSI CR WAGON



Testing vehicle

Factsheet 2.00042

Detailed Information

Information on the Project

- Customer / Carrier: Ateliers du Groupe Ermewa, Frankreich, Schweiz

Project schedule

Spring 2009

Technical Data

- Speed: 120 km/h empty condition, 100 km/h fully loaded condition
- Weight empty condition: 20.2 t
- Weight fully loaded condition: 90 t
- Length over all: 13.04 m

Project Responsibility

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Customer Requirement

The company Atelier du Groupe Ermewa is producing new cement wagons of the type Tanoos. These vehicles should be approved for the international traffic. Therefore noise measurements according to TSI CR NOISE and brake type tests according to UIC 544-1 should be performed.

Realisation

Although the company Ateliers du Groupe Ermewa is situated in France, it has been decided that the measurements will take place in Switzerland, this due to the operational advantages on the Swiss rail network like for example the adaptation of the measuring procedure during the tests and the organisation of additional test runs during a measuring day.

The vehicles were delivered to PROSE in Switzerland. PROSE organised the whole procedure of the test runs and the operational aspects. As well the client as an ambassador of the notified body were present during the noise and brake measurements. Due to this fact the client had the possibility to get a feedback immediately

after the measurement and could intervene directly. As a result of the immediate evaluation of the test runs during the brake measurements it was for example possible to adapt the brake cylinder pressure before the type tests were performed.

This gave the possibility to obtain the brake adjustments (brake cylinder pressure, brake-rod linkage) for the production run and directly successfully pass the brake type test. A report of the type test has been written in which the definitive brake adjustments were documented.

Customer Advantage

The test runs were performed by PROSE as general contractor. The client delivered the vehicle and obtained after the test runs the vehicle with the evaluations and reports. The interface for the client was kept very simple. Although Ateliers du Groupe Ermewa could naturally participate the test runs to adjust the last parameters before the final type test. Due to this fact, successful type tests could be assured.



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