

News from Rail Systems

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Vectron: first unlimited homologation

Vectron, the next generation locomotive, has been issued unlimited homologation for Romania - the first in Europe. Preliminary homologation has already been issued in Poland and Sweden. Homologation runs have already been completed for Germany, as have the network access runs for Austria. The homologation process for Switzerland, Italy and The Netherlands is also underway.

- First unlimited homologation for Romania
- Preliminary homologations for Poland and Sweden
- Tractive effort test runs in Poland and Sweden



The new Vectron locomotive has been certified for Romania.

The Vectron has successfully completed tractive effort test runs in Poland and Sweden. In Poland, it was able to pull a coal train weighing roughly 3,800 metric tons up a six per mille gradient between Zawiercie and Warsaw without any problems. In a further test with 4,000 metric tons on level track, it reached a speed of 15 kilometers per hour (km/h) after just 200 meters. The tests were carried out with Vectron DC 193 951, which has a service weight of 80 metric tons and tractive power rating of 5,200 kW. The locomotive is currently in service at DB Schenker Rail Poland

under supervised operation as part of homologation activities. Its sister locomotive, 193 952, is also being used for the same purpose by PKP IC in intercity service between Warsaw and Kraków with a top speed of 160 km/h. The route is operated twice daily, covering a total distance of 1,250 km.

In Sweden, a freight train weighing roughly 2,300 metric tons was hauled up a six-kilometer-long 10‰ gradient. Vectron AC locomotive 193 923, which has a tractive power rating of 6,400 kW, developed a constant speed of 40 km/h over the entire incline without the need for sanding. Preliminary homologation was issued for the Swedish network after the locomotive successfully completed testing under winter conditions in northern Sweden. The locomotive is currently in service on the route between Gothenburg and Sundsvall via Västerås. «



Vectron 193 951 with train number 413000 successfully completed tractive effort test runs in Poland and Sweden. In Poland, it was able to pull a coal train weighing roughly 3,800 metric tons up a six per mille gradient between Zawiercie and Warsaw without any problems.



Vectron 193 952 in Warsaw in April 2012. The locomotive is being used by PKP IC under supervised operation as part of homologation activities in intercity service between Warsaw and Kraków with a top speed of 160 km/h. The route is operated twice daily, covering a total distance of 1,250 km.



Both pictures: Vectron 193 923 at the beginning of 2012 during winter testing on the Iron Ore Line. Preliminary homologation was issued for the Swedish network after the locomotive successfully completed testing under winter conditions in northern Sweden.



The pictures are available at:
www.siemens.com/railsystems-pictures/vectron-homologation

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