

## **Jacek Kukulski: Bench Test of Railway Friction Pair to Thermal Load**

The article presents exemplary results of tests, carried out by the Author on the dynamometer test stand at the Railway Research Institute. The scope of tests was limited to testing of friction pairs subjected to thermal loads. It is a very interesting subject and still relevant due to the phenomena that occur. The basic technical parameters of the test stand are described. Furthermore, the course of the research and the obtained results of temperature measurements with thermocouples and a thermal imaging camera are outlined. Additionally, the measurement of the wear of friction materials during the test is presented, as well as the method and sample results of the residual stress tests using the ultrasonic method.

**Keywords:** dynamometer tests, friction pair, thermal load