

Jacek Kukulski: Dynamometer Test of Brake Discs for the Desiro Russia Train

There were described bench tests of selection of disc brake friction pairs for the Desiro Russia vehicle. The tests included standard tribological programs in accordance with UIC leaflet 541-3 and conformity checks with requirements of EN 14535-3 Standard. Both average and current friction coefficients were defined, as well as brake lining wear and friction pair behaviour in extreme operational conditions. There were described parameters of the Railway Research Institute's rail vehicle friction pairs test stand, approved by the UIC.

Keywords: railway transport, brake disc, dynamometer