

## **Danuta Milczarek, Elżbieta Naduk: Requirements for the Spreads of Railway Turnouts**

In the article there were characterized lubricants used for railway turnouts and were also presented requirements and scope of measurements of their parameters. Natural environment protection was included as well as technical and economical aspects of costs and workload reduction during maintenance of railway turnouts.

**Keywords:** lubricant, physicochemical properties, biodegradability, railway turnout