

The potential of application of Ni-layer for enhancement of utility properties of freight wagons

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Abstract:

The construction of 4-axled freight wagons used for transportation of bulk materials is limited with respect of minimal angle allowing emptying the bulk cargo and limited lifetime caused by abrasion caused by intensive wear between the wagon wall and transported cargo. A potential of application of protective chemically-deposited Ni-layer was evaluated based on tribological testing.

Key words:

Railway freight wagons, wear resistance, surface treatment