

## **Ireneusz Mikłaszewicz: Tyred Wheel – a Special Accident Case**

This paper presents a special case of an accidental involving a wheel rim and a wheel without a tyre. Having conducted a thorough analysis of the case and the strength and metallographic tests performed, it was concluded that the direct cause of the accident case was a loose rim of a wheel without tyre, displaced while passing through a turnout, causing the freight wagon to derail. The analysis was carried out on the basis of post-accident documentation, while the tests were performed in accordance with the PN-84/H-84027/06 standard and UIC Charter 810-1:200.

**Keywords:** accident event, rail crossover, tyre, wheel tyre