



Safety recommendation no. 89

Date of the publication	10.11.2015
Number of the final report	2015100201
Safety deficit	<p>On Friday 2 October 2015, at around 08:20, service train 8008 consisting of control carriage BDt no. 53 at the head and self-propelled engine Be 4/4 No. 2 at the rear, ran away just after Sainte Croix at 21,300 km, on a line with a gradient of up to 44 ‰, derailing on open track on a lefthand bend at 17,900 km between the Trois-Villes and Six-Fon- taines stops. As part of the inquiry, anomalies relating to safety were found in the area of the brakes on type Be 4/4 selfpropelled engines and type Bt and BDt control carriages. Such carriages are in operation both with the Transports Vallée de Joux, Yverdon-les-Bains, Sainte Croix SA (TRAVYS) company and the Transport Morges-Bière-Cossonay (MBC) company.</p>
Safety recommendation	<p>On a steeply inclined line, complete inertia braking weight of the train obtained by the braking systems independent of the air brake must be ensured. An incorrect indication of the independent braking weight values of the air brake on a wagon may lead to dangerous operating conditions and constitutes a safety deficit. The immobilisation braking weight value of 2 t of control car no. 51 referred to in the TRAVYS DE-PCT is incorrect.</p>
Stage of the implementation	Implemented
Investigation report concerning the safety recommendation	Rapport final