

**A Study on Increasing Running Speed Limited Due to Installing Emergency Rail  
Cramp at a Spot of Rail Failure**

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Slow running speed of train on track installing emergency rail cramp at a spot of rail failure was decided empirically and the ground has not been made clear. Therefore, we carried out field tests, laboratory test on track installing emergency rail cramp of Yasuda-type, and also static loading tests in a laboratory on track installing emergency fish-plating apparatus. Vehicle running safety and strength of track components were studied based on the tests results. As a result, we clarified that the maximum 70km/h slow running speed was allowable on the meter gaged long welded track installing those emergency apparatuses in the tangent or the curved sections of over 500m radius.