

## Railway accident investigation report

Railway operator : West Japan Railway Company.

Accident type : Train derailment, accompanied by level crossing accident.

Date and time : About 10:29, September 2, 2014.

Location : Tabe level crossing, class one level crossing with automatic barrier machine and road warning device, located at around 21,016 m from the origin at Maibara station, between Kinomoto station and Takatsuki station, double track, Hokuriku Line, Nagahama City, Shiga Prefecture.

### SUMMARY

The running train collided with the truck entered into the class one level crossing, and all two axles in the front bogie of the front vehicle of the train were derailed.

The truck driver was injured in the accident.

### PROBABLE CAUSES

It is probable that the accident occurred because the train collided with the truck, entering into the level crossing with bending the crossing rod where the automatic barrier machine and the road warning device were in normally operated according to the approaching train to the point just before the level crossing, in spite of the application of an emergency brake by the train driver, and the all two axles in the front bogie of the front vehicle of the train derailed after went over the left rail, due to the instantaneous lift force by the truck caught by under floor of the front vehicle to its front bogie in.

The reason why the truck entered into the level crossing while the level crossing protection devices were operated normally, could not be determined.