

## **Recent Research Topics on Truck Monitoring**

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The maintenance of railway vehicles is a very important work to keep safety of passengers. Normally, time based maintenance (TBM) has been applied to railway vehicles in Japan. Although this maintenance system has been provided to ensure safety, but more reasonable maintenance way is needed to improve the efficiency on the maintenance works because it needs great labor and cost. Under that situation, condition based maintenance (CBM) is focused. It is thought that the CBM is effective way to improve the efficiency of vehicle maintenance without deterioration of safety. First, this paper describes the general maintenance system of vehicle in Japan, then it introduces recent researches in RTRI about the truck monitoring as a part of the CBM of the running gear.