

Extension of Application and Deskillling for Rail Head Repair Method

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Rail head repair method developed by RTRI is useful for efficiently repairing rail head defects. However, application of this method has been restricted because it cannot be applied to the maintenance of the head hardened rail at present. Moreover, hot correcting, which is a method to prevent dipping of the repair part due to thermal contraction, has poor workability because of manual operation, thus leading to the occurrence of fluctuations of the uplifting amount. Therefore, we investigated the extension of application and deskillling of this method. Based on the results of these investigations, we suggested an appropriate condition for welding the head hardened rail and developed an automatically controlled hot correcting machine.