

An Effective Application Method of Friction Moderator to Low Rail of Curve

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Lubrication between the running surface of low rail and wheel tread has recently been recognized as a valid method in reducing squealing noise and growth of rail corrugation. We have developed a friction moderating system (FRIMOS) as a method of the lubrication between the running surface of low rail and wheel tread. This report describes the results of the prediction of distribution and durability of friction moderator by a simplified calculation model to obtain the knowledge about an effective application timing and amount of friction moderator.