

CURVING PERFORMANCE OF THE BP25 BOGIE

During the period May-June 1980 a comprehensive series of curving tests for the BP25 bogie in yaw damped and cross-braced configurations were carried out. The results of the tests are presented and compared with predictions for the bogie made by the Non Linear Curving theory. Comparisons are made between the theoretical curving performance of the BP25 bogie and the BX1P bogie under similar conditions. Agreement between the theory and the experiment is good for the yaw-damped bogie and for the cross-braced bogie lateral forces, but less good for the cross-braced yaw-torques. Fortunately, it is the lateral forces that are the most significant in flange and rail wear and derailment situations.