

MEASURED WHEEL-RAIL CONTACT FORCES PRODUCED BY LOCOMOTIVE 56042 AT A SELECTION OF SWITCHES AND CROSSINGS

During January 1984, three-axle bogie locomotive 56042 was equipped Load Measuring Wheelsets in the outer and centre axle positions of one bogie. A series of experiments was performed to investigate the curving behaviour of the vehicle and its response to various forms of track irregularity. In addition, three return runs to Middlesborough were undertaken during which the wheel rail contact forces generated when running through a variety of switches and crossings were measured; the results of these latter measurements form the subject of this report.