

C ontents

- 1 **Unit 1** ▶ Locomotive Basics
- 15 **Unit 2** ▶ History of Locomotives
- 25 **Unit 3** ▶ Equipment Layout of Electric Locomotives
- 39 **Unit 4** ▶ Car Body
- 49 **Unit 5** ▶ Locomotive Bogie
- 65 **Unit 6** ▶ Pneumatic System
- 79 **Unit 7** ▶ Electrical System
- 95 **Unit 8** ▶ High-voltage Electrical Equipment
- 108 **Appendix I** ▶ Key
- 119 **Appendix II** ▶ Terms