

CONTENTS

	Page		Page
General Description			
General Arrangement and Layout of Equipment	4	Conversion to Electricity	6
Leading Particulars	5	Conversion to Mechanical Power	6
Power Generation	6	Control of Power	7
Handling the Locomotive			
Taking over a Locomotive	8	Changing Cabs	10
Daily Checks	8	Leaving the Cab Temporarily	10
Starting and Stopping the Engine	9	Taking the Locomotive out of Service	10
Locomotive in Service			
Handling the Train			
To Start the Train	12	Brake Release	13
To Stop the Train	12	Running through Water	13
To Reverse the Train	13	Maximum Speed	13
Ammeter Readings	13	Multiple-Unit Operation	
Anti-Slip Brake	13	Coupling Two or Three Units	14
Sander	13	To Isolate One Unit in Service	15
		Points to Watch	16-17
Driving Compartment			
Controls	18-19	Instruments	21
Warning Devices	20		
Engine Room			
Controls	22-23	Instruments and Indicator Lights	24-25
Diesel Engine			
Engine Cooling Water System	26-29	Engine Fuel System	34-37
Points to Watch (in above)	28-29	Points to Watch (in above)	36-37
Engine Lubricating Oil System	30-33	Load Control System	38-39
Points to Watch (in above)	32-33		
Brake Systems			
Combined Air and Brake Systems	40-43	Testing the Brakes	44-45
Electrical Equipment			
Auxiliary Machines	46-47	Fuses	53-51
Electrical System		Lighting	52
Power Control	48-49	Points to Watch	53-54
Steam Generator			
General Description	55	Operating Instructions	55-59
Fault Finding Charts			
Blue Fault Light Becomes Bright	60-61	Boiler shuts down during operation	68-69
Red Fault Light Becomes Bright	62-63	Motor runs but burner fails to light	70-71
Engine Will Not Start	64-65	Amber Fault Light Becomes Bright	72
Loco Does Not Develop Full Power	66-67		