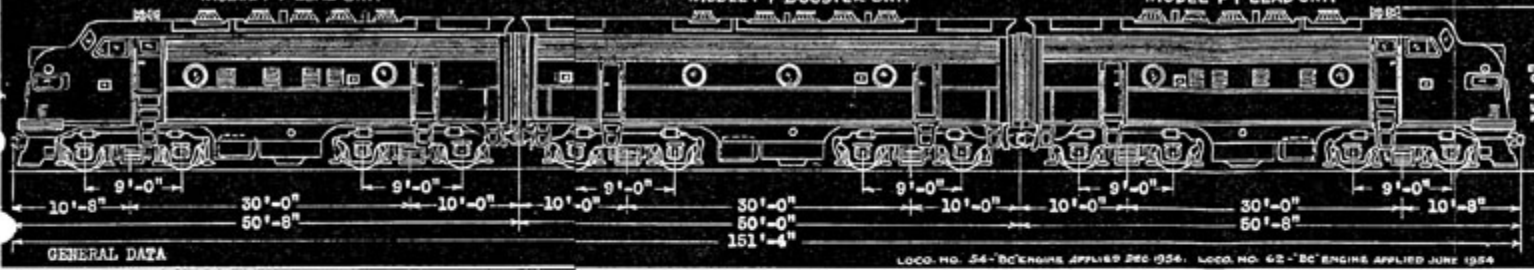

GENERAL DATA

LOCO. NO. 54-"BC"ENGINE APPLIED DEC 1954. LOCO. NO. 62-"BC"ENGINE APPLIED JUNE 1954

1. Weight - Working Order - Per Unit	246,000 lbs.
2. Horse Power - Per Unit	1500
3. Ratio of Gears	62-15
4. Maximum Speed	65 M.P.H.
ENGINE	
5. Type-Two Cycle-Vee Type	No.567B General Motors
6. Cylinders-Bore and Stroke - Per Unit	16 - 8¼" x 10"
7. Speed - Idling 275 R.P.M.	At Rated H.P. 800 R.P.M.
8. Blower (Scavenger) - Per Unit	2 E.M.D. Low Pressure
9. Governor	Woodward PG Electro Hydraulic
ELECTRICAL - Per Unit	
10. 1 - EMD Main Generator-Model D12	600V 2200 Amp.Cont.DC
11. 1 - EMD Aux. Generator-Model A-7159	74 Volts, 10 KW DC
12. 1 - EMD Alternator-Model D14, 100 KW	149 Volts, 3 phase
13. 4 - EMD Traction Motors Model D-27B	825 Amps.Cont.DC
14. 4 - EMD Traction Motor Blowers	3P,149V,5HP,AC,3100 RPM
15. 1 - Dyn.Brk.Blower A-8401,36	150 V DC, 16 Horsepower, 2100 RPM
16. 1 - Fuel Pump Motor	1/4 HP, 74 Volts, DC, 1100 RPM
17. 4 - Water Temp.Cool.Fan Motors	3P,149V,9 HP, 1550 RPM
18. Control Equip. - Multiple Control	64V,Electro-Pneumatic
19. Multiple Control Cable	Length 48", 27 Wires
20. Batteries	32 Cells, 64 Volt, Exide MV25D
21. Lighting Circuit	74 Volts
22. Headlights-F"A"Units	Pyle-Nat.Twin-Sealed Beam 200W,30V
23. Back of"A"Units,&"B"Units	Pyle-Nat.Sing.Beam 200W,30V
24. Headlight Switch	E.M.D.
25. Front 3-point Dimming	400W,200W,100-Watts
26. Backup Light Switch	E.M.D.
27. Wheel Slip Relay, Ground Relay	E.M.D.
28. Electrical Fixtures	Pyle-National

TRACTIVE POWER-One Unit	Two Units	Three Units
29. Starting 61,500 lbs.	123,000 lbs.	184,500 lbs.
30. 10 M.P.H. 45,000 lbs.	90,000 lbs.	135,000 lbs.
31. 15 M.P.H. 30,000 lbs.	60,000 lbs.	90,000 lbs.
32. 20 M.P.H. 23,000 lbs.	46,000 lbs.	69,000 lbs.
33. 25 M.P.H. 19,000 lbs.	38,000 lbs.	57,000 lbs.
34. 30 M.P.H. 16,000 lbs.	32,000 lbs.	48,000 lbs.
35. 35 M.P.H. 14,000 lbs.	28,000 lbs.	42,000 lbs.
36. 40 M.P.H. 12,000 lbs.	24,000 lbs.	36,000 lbs.
37. Continuous Rating - Per Unit	62,400 lbs. @ 9.0 M.P.H.	
CAPACITY - Per Unit		
38. Fuel Oil	1200 Gals.	
39. Lubricating Oil	200 Gals.	
40. Cooling Water -"A" Units 230 Gals.	"B" Units 215 Gals.	
41. Sand	16 cu.ft.	
MISCELLANEOUS		
42. Sanders - Prime "One Line" Duplex	8 Traps Per Unit	
43. Whistles	2 - Nathan M5 "A"Units	
44. Bell Ringer	Vilooc	
45. Window Wiper	Hayes "Jumbo" Pneumatic	
46. End Ladders - Back of "A" Units, Both Ends "B" Units		
47. Air Filters - 20 Per Unit	Farr #S118216	
48. Speed Recorder	Barco - 0-60 M.P.H.	
49. Fire Extinguishers		
"A" Unit - 1 Qt. C7C in Cab, 2-30# Ansul in Eng. Room		
"B" Unit - 2-30# Ansul in Engine Room		
50. Uncoupling Rigging	E.M.D.	
51. Draft Gear	National Malleable M-380	
52. Couplers - Front of "A" Units	A.A.R. Type "E"	
Back of "A"Units,Both Ends"B"Units - AAR Tightlock "H"		

BRAKE EQUIPMENT	
53. Dynamic Brake - 600 Amps. Maximum	
54. Dynamic Braking Power 110,000 lbs.	
55. Air Brake Schedule	W
56. Air Brake Power 145,000 lbs. @ 50	
57. Air Compressor	
58. Air Compressor Capacity	225 C
59. Air Reservoir Capy.-"A" 50,000 cu.in	
60. Relay Air Valve	Wes
61. Feed Valve	
62. Rotaire Valve	
63. Deadman Control-Foot Pedal-Breakint	
64. Hand Brake	P
TRUCKS	
65. Type	E.M.D. Type Cast S
66. Axles-Heat Trt.6½"x12" Journals for	
67. Wheels	40"
68. Brake Cylinders - Per Unit	
69. Side Bearings	Plai
LIMITING DIMENSIONS	
70. Maximum Length Coupled	
2 - "A" Units and a "B" Unit	
2 - "A" Units	
1 - "A" Unit and a "B" Unit	
71. Maximum Width	
72. Maximum Height	
73. Maximum degree of Curvature	
74. Lifting Lugs -Front & Back "B" Units	