



GENERAL DATA

144-COBRAS SHOPS V-145, 3-16 RELAY VALVE

DEADMAN CONTROL - 1964  
CAN BE OPERATED WITH 143-144 WITH SPECIAL MU TO THE MU CONNECTIONS - BOTH ENDS 19:19 WIRE

|  |  |  |                                 |
|--|--|--|---------------------------------|
| 1. Weight - Working Order                | 230,000 lbs.                                 | CAPACITY (Continued)                               |                                 |
| 2. Horsepower                            | 1000 H.P. @ 740 r.p.m.                       | 27. Sand   | 27 cu.ft.                       |
| 3. Tractive power @ 30% adhesion         | 69,000 lbs.                                  | MISCELLANEOUS                                      |                                 |
| 4. Ratio of Gears                        | 16-75  | 28. Sanders  | Graham-White                    |
| 5. Maximum speed restriction             | 60 M.P.H.                                    | 29. Horn Leslie S-25 (front), Type A-1             | Westinghouse Air Brake Co.      |
| ENGINE                                   |  | 30. Bell Ringer                                    | Transportation Devices Co.      |
| 6. Type                                  | Aloo Model No. 539, Four Cycle, Supercharged | 31. Window Wiper                                   | Hayes                           |
| 7. Turbo Charger                         | Alco Type 39                                 | 32. Traction Motor Blower                          | B. F. Sturtevant Co.            |
| 8. Cylinders - bore and stroke           | 6 - 12 <sup>1</sup> / <sub>2</sub> " x 13"   | 33. Draft Gear                                     | Friction M-17-A National        |
| 9. Displacement                          | 9567 cu.in.                                  | 34. Coupler 6" x 8" semi-long A.A.R. Type "E"      | Top Operated                    |
| ELECTRICAL                               | 19:19 Wire Multiple Unit Control             | AIR BRAKE  | KM VENT VALVE                   |
| 10. 1 GE Generator - Type G.T. 553A      | Cont. Rat. 1360 Amp.                         | 35. Schedule                                       | Westinghouse Type EL-14         |
| 11. 1 GE Exciter - Aux Gen G.M.G. 139-A2 | 5 KW.  | 36. Brake power Cyl. Press. 30#                    | 62,800 lbs.                     |
| 12. 4 G.E. Motors Type G.E. 731D         | Cont. Rat. 830 Amp.                          | 37. Pumps (Air compressor)                         | Westinghouse Type 3-CD          |
| 13. Control Equipment                    | G.E. Type P - Multiple Operation             | 38. Pump capacity at full engine speed             | 228 c.f.m.                      |
| 14. Radiator Fan                         | G.E. 4-Blades, Aphonio                       | 39. Reservoir capacity                             | 67,800 cu.in.                   |
| 15. Batteries                            | Exide 32 cell, KT35A                         | 40. Hand Brake                                     | Ajax                            |
| 16. Lighting circuit                     | 75 volts                                     | TRUCKS   |                                 |
| 17. Headlights                           | 250 Watt, 32 volts                           | 41. Type   | Swivel Aloo Center Bearing      |
| TRACTIVE POWER                           |  | 42. Axles  | Journal dia. & length 7" x 14"  |
| 18. Starting                             | 69,000 lbs.                                  | 43. Wheels   | 4 Pairs - rolled steel 40" dia. |
| 19. 5 M.P.H.                             | 50,500 "                                     | 44. Brake cylinders                                | 4 - 10" x 10"                   |
| 20. 10 M.P.H.                            | 28,000 "                                     | 45. Side bearings                                  | Plain Steel                     |
| 21. 15 M.P.H.                            | 20,000 "                                     | 46. Flange Oilers                                  | Nathan S-3                      |
| 22. 20 M.P.H.                            | 15,200 "                                     | LIMITING DIMENSIONS                                |                                 |
| 23. 25 M.P.H.                            | 12,200 "                                     | 47. Maximum length                                 | 45' 5-3/4"                      |
| CAPACITY                                 |  | 48. Maximum width                                  | 10' 0"                          |
| 24. Fuel                                 | 635 gals.                                    | 49. Maximum height                                 | 14' 6"                          |
| 25. Cooling water                        | 240 "  | 50. Minimum radius of curvature (Locomotive alone) | 50'                             |
| 26. Lubricating oil                      | 80 "   |  |                                 |