



GENERAL DATA

LOCO. NO. 142 MAX. WT. 255,000 LBS., STARTING TRACTIVE EFFORT @ 30% ADHESION 76500 LBS.  
 " " " " " 248,200 " " " " " 74400 "

1. Weight - Working Order	Nos 140 ONLY	230,000 lbs.	CAPACITY (Continued)	
2. Horsepower	1000 H.P. @ 740 r.p.m.		27. Sand	27 cu.ft.
3. Tractive power @ 30% adhesion	Nos 140 ONLY	69,000 lbs.	MISCELLANEOUS	
4. Ratio of Gears		16.75	28. Sanders	Graham-White
5. Maximum speed restriction		60 M.P.H.	29. Horn	Type A-2 Westinghouse Air Brake Co.
ENGINE			30. Bell Ringer	Transportation Devices Co.
6. Type	McIntosh Seymour	Four Cycle	31. Window Wiper	Hayes
7. Cylinders		6	32. Traction Motor Blower	B.F. Sturtevant Co.
8. Cylinders - bore and stroke		12 1/2" x 13"	33. Draft Gear	National
9. Displacement		9567 cu.in.	34. Coupler 6" x 8" semi-long A.A.R. Type "E" Top Operated	
ELECTRICAL			AIR BRAKE	
10. 1 GE Generator - Type G.T. 553	Cont. Rat. 1350 Amp.		35. Schedule	Westinghouse Type EL-14
11. 1 GE Exciter - Aux. Gen. G.M.G. 139	5 KW.		36. Brake power	138,000 lbs.
12. 4 GE Motors Type G.E. 731	Cont. Rat. 830 Amp.		37. Pumps (Air Compressor)	Westinghouse Type 3-CD
13. Control Equipment G.E. Type "F"	Wheel Slip Relays		38. Pump capacity at full engine speed	228 c.f.m.
14. Radiator Fan	G.E. 4-Blades, Ahponic		39. Reservoir capacity	60,740 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 Alco Center Bearing
TRACTIVE POWER			42. Axles	Journal dia. & length 7" x 14"
18. Continuous Tractive Effort @ 8 MPH.		34,000 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	8 Swanson Type
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 gal.	49. Maximum height	14' 6"
25. Cooling water		240 "	50. Minimum radius of curvature (Loco. alone)	50'
26. Lubricating oil		80 "		