



GENL. DATA

1. Cylinders, dia. x stroke	22" x 30"	29. Heating surface, tubes	sq.ft. 2989
2. Valve gear	Walschaert	30. " " firebox	" " 174
3. Valves, size and kind	D-Slide	31. " " total	" " 3163
4. " maximum travel	6"	32. " " superheater	" " None
5. " steam lap	1"	33. " " equivalent total	" " None
6. " exhaust clearance	Line	34. Grates, length x width	108" x 70"
7. " lead in full gear	1/4"	35. " area	sq.ft. 62.5
8. " cut off in full gear	86%	36. Brick arch, type	None
9. Rated tractive power	43,305 lbs.	37. Arch tubes O.D., Ga., Fin.Lgth.over Bd.	None
10. Ratio of adhesion (Wt.on Drivers ÷ Trac.Power)	4.20	38. Stoker, type	None
11. Sharpest curve	22 Deg.	AIR BRAKE	
WEIGHT	Light Wk.Order	39. schedule	W.A.B. 6-ET, WN 3, 1412, Type 42-B
12. Leading truck	18,000	40. Brake power	68% 123,760 lbs.
13. Driver, first	44,400	41. Pumps	2 - 9 1/2"
14. " second	43,700	AXLES	
15. " third	46,650	42. Leading truck	Journal Dia. x Lgth. 6" x 10"
16. " fourth	47,250	43. Driving, main	" " " 10" x 12"
17. " total	182,000	44. " other than main	" " " 9" x 12"
18. Trailing truck	None	45. Trailing truck	None
19. Total engine	179,100 200,000	TENDER	
20. Tender, front truck	68,300	46. Frame	Structural Steel
21. back	68,300	47. Draft gear	Minor Tandem
22. " total	54,300 136,600	48. Brake schedule	W.A.B. 6-ET, 1212, Type "L"
23. Total engine & tender	233,400 336,600	49. Brake power	83% 45,200 lbs.
BOILER		50. Truck, type	Arch bar
24. Working pressure, maximum	200 lbs.	51. Axles	A.R.A. 5 1/2" x 10"
25. Firebox, length x width	108" x 70"	52. Wheels	Steel 33"
26. Tubes, No., O.D., & Gauge	344-2 1/2"-11-B.W.G.	53. Maximum width over cylinders	9' 8"
27. Flues, No., O.D., & Gauge	None	54. " " running boards, at cab	10' 2"
28. Tubes & Flues, length (in to in of tube sheets)	177"		