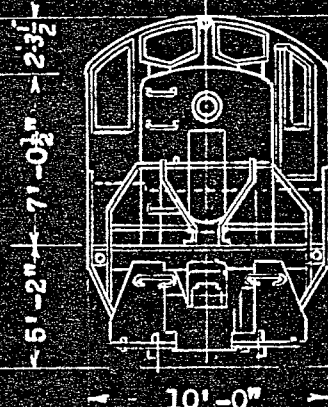
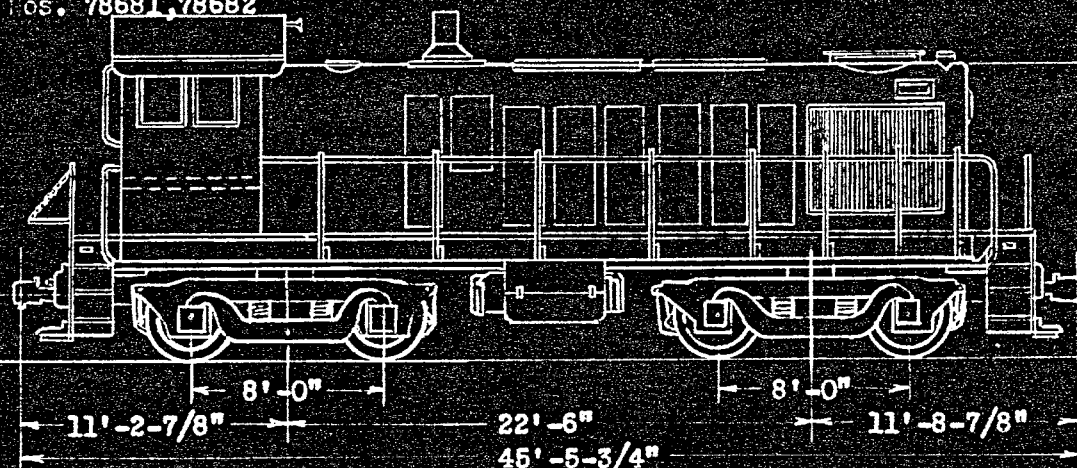


Built Nov. 1950 - American Locomotive Co.  
 Builder's Nos. 78681, 78682

Diesel Electric Yard Switching Locomotives Nos. 145, 146  
 Class DS 21



145  
 RATING  
 195  
 Loco 145  
 WT (Wk. Ord.)  
 RATING 146 = 203 248,800 lbs  
 MU CONNECTION - BACK END ONLY

GENERAL DATA

1. Weight - Working Order	231,700 lbs.	28. Fuel Oil	635 Gals.	Lubricating Oil	80 Gals.
2. Horsepower	1000	29. Cooling Water -	240 Gals.	Sand	27 Cu.Ft.
3. Ratio of Gears	75-16	AIR BRAKE			
4. Maximum Speed	60 M.P.H.	30. Schedule	Westinghouse 14-EL		
ENGINE		31. Brake Power	172,800 lbs. @ 75%		
5. Type - 4 Cycle, Model	539 Turbo Supercharged - Alco	32. Air Compressor	Westinghouse Type 3-CD		
6. Cylinders - Bore and Stroke	6 - 12 1/2" dia. x 13"	33. Air Compressor Capacity at full engine speed	228 C.F.M.		
7. Speed - Idling 250 R.P.M., at rated H.P.	740 R.P.M.	34. Reservoir Capacity	67,800 cu.in.		
8. Turbo Supercharger	Buchi	35. Feed Valve-Type M3, Reducing Valve-Type M3	W.A.B.Co.		
9. Governor	Woodward SI	36. Dead Man Control	None		
ELECTRICAL		37. Handbrake	Ajax		
10. 1 - GE Main Generator-Type	GF-553-A Cont. Rat. 1350 Amp.	MISCELLANEOUS			
11. 1 - GE Exciter-Aux Gen G.M.G. 139-A2	5 KW	38. Fire Extinguishers	1-1/2 qt. CTC,	2 - 30-lb. Ansul	
12. 4 - GE Traction Motors-Type 731D	Cont. Rat. 830 Amp.	39. Sanders	8 - Graham White		
13. 1 - GE Radiator Fan	4 Blades Aphonic	40. Horns	Westinghouse A-1		
14. 1 - GE Fuel Pump	3 1/2 G.P.M. at 1725 RPM, 1/4 H.P.	41. Speed Recorder	None		
15. Control Equipment - GE Type P	Multiple Operation	42. Draft Gear	Miner A-22-XL		
16. Multiple Control Cable	55' Long 19 Wires	43. Coupler	A.A.R. Type "E"		
17. Batteries	32 Cells, 64 Volts, Exide MV-25-D	TRUCKS			
18. Lighting Circuit	75 Volts	44. Type-Adirondack Steel Fdrs. Cast Steel - Pedestal Type			
19. Headlights	250 Watts, 32 Volts Pyle National	45. Axles	Journal - Dia. x Length 6 1/2" x 12"		
TRACTIVE POWER		46. Wheels	40" M.W. Rolled Steel		
20. Starting at 30% Adhesion	69,000 lbs.	47. Brake Cylinders	4 - 10" x 6" Duplex		
21. 5 M.P.H.	50,500 lbs.	48. Side Bearings	Plain Steel - Hardened		
22. 10 M.P.H.	28,000 lbs.	LIMITING DIMENSIONS			
23. 15 M.P.H.	20,000 lbs.	49. Maximum length coupled	45' 5-3/4"		
24. 20 M.P.H.	15,200 lbs.	50. Maximum Width	10' 0"		
25. 25 M.P.H.	12,200 lbs.	51. Maximum Height	14' 6"		
26. 30 M.P.H.	10,000 lbs.	52. Maximum degree of curvature	50' radius 115 deg. Long 30m		
27. Continuous Rating	34,000 lbs. @ 8.0 M.P.H.				