



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-P. 11, GR-12.
VAL. GR. L-57.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class S-2 I. C. C. Class 4-6-0 Service Freight Number 117

LOCOMOTIVE DATA

Original Number 117
 Renumbered from _____ to _____ Date _____
 " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 5606
 Date Built, Month Oct. Year 1900
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 10-9-1900
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 10-19-1900
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wagon top, rad. stay O. D. First Ring 70"
 Flues, No. 376 Outside Dia. 2" Length 14'2"
 Steam Pressure, Maximum 200# Working 200#
 Firebox, Type Narrow Length 120-3/16"
 Width, Top 65" Bottom 41"
 Height, Front 84" Back 71 1/2"
 Grate Area 34.2 sq. ft. Oil Burner, Type _____ Size _____
 Combustion Chamber, Length None
 Arch Tubes, No. 4 Size 3"
 Superheater, Kind None
 Feedwater Heater, Kind None Reheater, Kind _____
 Heating Surface Tubes 2,776 sq. ft. Flues _____
 Firebox 208 sq. ft. Arch Tubes 32 sq. ft.
 Superheating _____ Total Equivalent 3,016 sq. ft.
 Cylinders H. P., Dia., 22" L. P. Dia., 34" Stroke 30"
 Drivers—Dia. over New Tires 63"
 Driving Wheel Centers, Kind Cast Steel Dia. 56"
 Wheels, Leading Truck, Kind Steel Tired Dia. 30"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14'10" Total 25'10 1/2"

Weight on Drivers 141,000 lbs.
 Weight of Engine, Working Order 182,500 lbs. Light 160,800 lbs.
 Tractive Power I. C. C. Formula 30.7
 TENDER, Type U-Shape, Number 7-C-13
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 4,350 Oil, Gals. _____ Coal, Tons 7
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Cast Iron Dia. 33"
 Journals, Size 4 1/2" x 8" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 38,200 lbs. Loaded 92,400 lbs.
 Weight Engine and Tender, Light 199,000 lbs. Loaded 274,900 lbs.

APPURTENANCES

Headlights, No. 1 Kind Pyle - Electric
 Main Valve, Kind Piston & Slide Dia. (If piston) 12"
 Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal.
 Air Brake Equipment, Kind Westinghouse Schedule A-1, SWA.
 Air Pumps, No. 1 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 2 Size 22 1/2" x 51"
 Train Signals, Kind West. Air Sanders, Kind Leach E Dibe. & Hand
 Stoker, Kind None Power Reverse, Kind Non
 Flange Lubricators, Kind 2 NP #1
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Crosby
 Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 6" x 6"

FINAL DISPOSITION

By Retired Place _____ Date 10-1-25

Original Cost F. O. B. Chicago, Ill.	16	885	40
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	(78	86
Miscellaneous, Tools, etc.	(
Freight paid from Chicago to St. Paul		78	00
Total	17	042	26

ENG. REPORT 15,140.00

DEPRECIATION ENGINE 86% = 13,020.40
 TENDER 14% = 2,119.60

DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS

NP117

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	14,656.34		E.R.	O.C.	2,385.92
		831-09	224.76		0.3.	5079-21	1.74
		846-11	6.10			5122-36	(2,387.66)
		835-12	83.69				
		804-16	11.97				
	0.3.	925-16	1.43				
		859-19	19.94				
		861-19	39.18				
		5030-26	(17,429.33)				
		5017-27	< 1.74				
		5015-29	2,387.66				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Electric headlights	224 76
846-11	5-15	Safety Appliances	6 10
835-12	7-13	Air pumps	83 69
804-16	8-16	Run board steps	11 97
925-16	9-21	Back stop on pilot steps	1 43
859-19	11-18	Lagging to steam pipes in cabs	19 94
861-19	12-19	Backboard lagged	39 18
5079-21	2-14-24	AL-156 Water Crane Hooks	1 74
5030-26	10-25	Engine portion retired	< 17 429 33
5015-29		Retirement adj.	2 387 66
5017-27		Retirement adj.	< 1 74
5122-36	5-8-37	TENDER DISMANTLED	< 2 387 66

FINAL DISPOSITION

By	Place	Date
Total Cost based on {	Original Cost	
	Receivership Value	
Salvage		
Accrued Depreciation		
Amount Charged to Retirements		