



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. R 111, GR-10.  
VAL. GR. L-55.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class S I. C. C. Class 4-6-0 Service Freight Number 158

## LOCOMOTIVE DATA

Original Number 158  
 Renumbered from \_\_\_\_\_ to \_\_\_\_\_ Date \_\_\_\_\_  
 " " " " " "  
 Builder Schenectady Loco. Wks. Builders No. 4898  
 Date Built, Month Dec. Year 1898.  
 From whom purchased Schenectady Loco. Wks.  
 Purchased New or Second Hand New Date 12-1-98.  
 Authority No. \_\_\_\_\_ Voucher No. \_\_\_\_\_ Reqn. No. \_\_\_\_\_  
 Receiving Station St. Paul, Minn. Date 12-10-98.  
 Setting up Shop Brainerd, Minn.  
 Boiler Type Ext. Wagon top, rad. stay O. D. First Ring 70"  
 Flues, No. 376 Outside Dia. 2" Length 13'10"  
 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 None  
 Heating Surface Tubes 2,707 sq. ft. Flues \_\_\_\_\_  
 Firebox 208 sq. ft. Arch Tubes 32 sq. ft.  
 Superheating \_\_\_\_\_ Total Equivalent 2,947 sq. ft.  
 Cylinders H. P., Dia., 22" L. P. Dia., 34" Stroke 28"  
 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 26'3 1/2"

Weight on Drivers 131,800 lbs.  
 Weight of Engine, Working Order 173,800 lbs. Light 152,500 lbs.  
 Tractive Power I. C. C. Formula 28.7  
 TENDER, Type U-Shape, Number 5-C-2  
 (Tender shown is one purchased with this locomotive)  
 Capacity, Water, Gals. 4,350 Oil, Gals. \_\_\_\_\_ Coal, Tons 9  
 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 92,450 lbs.  
 Weight Engine and Tender, Light 190,700 lbs. Loaded 266,250 lbs.

## APPURTENANCES

Headlights, No. 1 Kind Pyle - Electric  
 Main Valve, Kind Slide Dia. (If piston) \_\_\_\_\_  
 Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal.  
 Air Brake Equipment, Kind Westinghouse Schedule A-1, S, W, A.  
 Air Pumps, No. 1 Make Westinghouse Size 9 1/2"  
 Air Reservoirs, No. 2 Size 12" x 144" & 20 1/2" x 120"  
 Train Signals, Kind West. Air Sanders, Kind Browne  
 Stoker, Kind None Power Reverse, Kind None  
 Flange Lubricators, Kind None  
 Pneumatic Fire Doors, Kind None  
 Automatic Bell Ringers, Kind Gollmar  
 Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 5" x 5"

## FINAL DISPOSITION

By DISMANTLED Place \_\_\_\_\_ Date 12- -25

Original Cost F. O. B. Chicago, Ill. 11 655 73  
 Receivership Value  
 Designing and Engineering  
 Inspection during Construction  
 Inspection of Material  
 Messenger Service  
 Setting up and breaking in ( 91 34  
 Miscellaneous, Tools, etc. (  
 Freight paid from Chicago to St. Paul 78 00  
 Total 11 825 07

ENG'R. REPORT 14,100.00

DEPRECIATION-ENGINE 86% = 12,131.16  
 TENDER 14% = 1,974.84

DEPRECIATION BASED ON { Original Cost  
 Receivership Value } PLUS IMPROVEMENTS

NP158

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	10,169.56		E.R.	O.C.	1,655.51
		845-10	224.18		O.3.	5079-21	1.74
		846-11	5.44		5000-46		< 1,657.25 >
	O.3.	925-16	1.43				
		5063-20	1.74				
		5152-23	< 33.40 >				
		5030-26	< 12,057.86 >				
		5110-27	33.40				
		5017-27	< 1.74 >				
		5015-29	1,657.25				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety appliances	5 44
925-16	3-18	Back stop on pilot steps	1 43
5079-21	1-17-22	AL-156 Water Crane Hooks	1 74
5063-20	9- -21	AL-169 Hand Holds on Sand Doors	1 74
5152-23	10-25	AL-18. In Signal Group removed	< 33 40 >
5030-26	12-25	Engine portion retired	< 12,057 86 >
5110-27		Retirement adj.	33 40
5015-29		Retirement adj.	1,657 25
5017-27		Retirement adj.	< 1 74 >
5000-46	2-18-46	TENDER DISMANTLED	< 1,657 25 >

Eng'r. Report

Order 3  
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FINAL DISPOSITION

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