



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-9.  
VAL. GR-L-54

Form 7310 4200 RP

181

Northern Pacific Ry. Co's Class R I. C. C. Class 4-6-0 Service Freight Number 181

## LOCOMOTIVE DATA

Original Number 181  
 Renumbered from \_\_\_\_\_ to \_\_\_\_\_ Date \_\_\_\_\_  
 Builder Schenectady Loco.Wks. Builders No. 4585.  
 Date Built, Month Aug. Year 1897.  
 From whom purchased Schenectady Loco.Wks.  
 Purchased New or Second Hand New Date 8-13-97.  
 Authority No. \_\_\_\_\_ Voucher No. \_\_\_\_\_ Reqn. No. \_\_\_\_\_  
 Receiving Station St. Paul, Minn. Date 8-20-97.  
 Setting up Shop Brainerd, Minn.  
 Boiler Type Ext. wagon top, rad.stay O. D. First Ring 70"  
 Flues, No. 376 Outside Dia. 2" Length 13'6"  
 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 2,654 sq.ft. Flues  
 Firebox 208 sq.ft. Arch Tubes 32 sq.ft.  
 Superheating \_\_\_\_\_ Total Equivalent 2,894 sq.ft.  
 Cylinders H. P., Dia., 22" L. P. Dia., 34" Stroke 26"  
 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 25'11"

Weight on Drivers 126,000 lbs.  
 Weight of Engine, Working Order 172,500 lbs. Light 151,210 lbs.  
 Tractive Power I. C. C. Formula 26.6  
 TENDER, Type U-Shape, Number 16-C-24  
 (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 1/4" 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 189,410 lbs. Loaded 264,950 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. 3 Size 2- 22 1/2" x 46" & 1- 12" x 14"  
 Train Signals, Kind None Sanders, Kind 1 Leach D: 1 Leach D and  
 Stoker, Kind None Power Reverse, Kind Hand None  
 Flange Lubricators, Kind None  
 Pneumatic Fire Doors, Kind None  
 Automatic Bell Ringers, Kind Crosby  
 Couplers Kind, Engine Tower 6" x 6" Tender Sheron 5" x 5"

## FINAL DISPOSITION

By M. S. Place \_\_\_\_\_ Date 8 - - 23

Original Cost F. O. B. Chicago, Ill: -- 12 312 19 **ENG'R. REPORT 14,106.00** DEPRECIATION **ENGINE 86.7% = 12,131.16**  
**TENDER 14.7% = 1,974.84**

Receivership Value  
 Designing and Engineering  
 Inspection during Construction  
 Inspection of Material  
 Messenger Service  
 Setting up and breaking in ( 81 92  
 Miscellaneous, Tools, etc. ( )  
 Freight paid from Chicago to St. Paul 78 00  
 Total 12 472 11

DEPRECIATION BASED ON { Original Cost  
 Receivership Value } PLUS IMPROVEMENTS **NP 181**

Cost or Value	- DEPRECIATION -			Cost or Value	- DEPRECIATION -		
	R+E	- ENGINE	Amount		R+E	- TENDER	Amount
	E.R.	O.C.	10,726.01		E.R.	O.C.	1,746.10
		846-11	9.88		O-3	5079-21	1.74
		839-13	211.34				1747.84
	O-3	925-16	1.43			5034-58	< 1747.84 >
		840-17	390.44				
		5164-23	< 13,085.20 >				
		5017-27	< 1.74 >				
		5015-29	1747.84				

**ADDITION AND BETTERMENT**

A. F. E. No.	Date	Description	
846-11	5-15	Safety appliances	9 88
839-13	6-14	Electric headlights	211 34
925-16	4-17	Back stop on pilot steps	1 43
840-17	4-28-28	Air compressor	390 44
5164-23	1923	Retired by police	< 13,085.20 >
5079-21	5-21-22	AL-156 Water Crane Hook #	1 74
5015-29		Retirement adj.	1747 84
5017-27		Retirement adj.	< 1.74 >
5034-58	7-23-28	TENDER DISM.	< 1747.84 >

Rate	Period	Amount	Rate	Period	Amount
		10,726.01			1,746.10
		9.88			1.74
		211.34			1747.84
		1.43			< 1747.84 >
		390.44			
		< 13,085.20 >			
		< 1.74 >			
		1747.84			

**FINAL DISPOSITION**

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