



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-911, 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

108

LOCOMOTIVE DATA

Original Number 108

Renumbered from _____ to _____ Date _____

Builder Schenectady Loco. Wks. Builders No. 5597.

Date Built, Month Sept. Year 1900.

From whom purchased Schenectady Loco. Wks.

Purchased New or Second Hand New Date 9-7-1900.

Authority No. _____ Voucher No. _____ Reqn. No. _____

Receiving Station St. Paul, Minn. Date 9-15-1900.

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 None

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-7

(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 Dble. & Hand

Stoker, Kind None Power Reverse, Kind None

Flange Lubricators, Kind None

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. 16 882 45
 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 17 039 31

ENG. REPORT 15,140.00 DEPRECIATION **ENGINE 86% = 13,020.40**
TENDER 14% = 2,119.60
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP 108**

| Cost or Value | DEPRECIATION | | | Cost or Value | DEPRECIATION | | |
|---------------|--------------|-----------------|---------------|---------------|--------------|-----------------|--------------|
| | Rate | Period | Amount | | Rate | Period | Amount |
| | R+E | - ENGINE | | | R+E | - TENDER | |
| | E.R. | O.C. | 14,653.81 | | E.R. | O.C. | 2,385.50 |
| | | 831-09 | 224.76 | | O.3. | 5079-21 | 1.74 |
| | | 846-11 | 6.09 | | | 5030-26 | < 2,985.50 > |
| | O.3. | 925-16 | 1.43 | | | 5017-27 | < 1.74 > |
| | | 5030-26 | < 14,886.09 > | | | | |

ADDITION AND BETTERMENT

| A. F. E. No. | Date | Description | |
|--------------|--------|--------------------------|---------------|
| 831-09 | 1-10 | Electric headlights | 224 76 |
| 846-11 | 5-15 | Safety Appliances | 6 09 |
| 925-16 | 8-68 | Back stop on pilot steps | 1 43 |
| 5079-21 | 3-6-24 | AL-156 Water Crane Hooks | 1 74 |
| 5030-26 | 10-25 | Engine portion retired | < 17,271.59 > |
| 5062-27 | 5-27 | Tender portion retired | < - > |
| 5017-27 | | Retirement adj. | < 1.74 > |

Eng. Report

Order 3

Order 3

FINAL DISPOSITION

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