STEAM LOCOMOTIVES. ACCOUNT NO. 51. ER. P-1911, 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 111

LOCOMOTIVE DATA

Original Number 111
Renumbered from ____ to ____ Date ____
" " " " "
Builder Schenectady Loco. Wks. Builders No. 5612.
Date Built, Month Sept. Year 1900.
From whom purchased Schenectady Loco. Wks.
Purchased New or Second Hand New Date 9-29-1900.
Authority No. ____ Voucher No. ____ Regn. No. ____
Receiving Station St. Paul, Minn. Date 10-9-1900.
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 71½"
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 25'10½"

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-30
(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 4½" 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 9½"
Air Reservoirs, No. 2 Size 22½" 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 Gollmar
Couplers, Kind, Engine Sharon 6" x 6" Tender Tower 6" x 6"

FINAL DISPOSITION
By Retired Place ____ Date 10-1-25

| | | | |
|---|---|---|---|
| Original Cost F. O. B. | Chicago, Ill. | 16 877 | 57 |
| 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 | | 17 034 | 43 |

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

NP 111

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 | 4-17 | Back stop on pilot steps | | 1 | 43 |
| 5079-21 | 3- -24 | AL-156 Water Crane Hooks | | 1 | 74 |
| 5063-20 | 12-29-20 | AL-169 Hand Holds on Sand Domes | | 1 | 74 |
| 5060-20 | 12-20 | AL-163 Cab Heaters | | 29 | 17 |
| 5152-23 | 8-24 | AL-18 Air Signal Equip Removed | < | 33 | 40 > |
| 5030-26 | 10-25 | Engine portion retired | < 17 | 270 | 00 > |
| 5017-27 | | Retirement adj. | < | 29 | 17 > |
| 5110-27 | | Retirement adj. | | 33 | 40 |
| 5015-29 | | Retirement adj. | 2 | 386 | 56 |
| 5009-41 | 7-7-41 | TENDER PORTION DISM. | < 2 | 386 | 56 > |

Engr. Report

Order 3

Order 3

Order 3

Engr. Report

~~DEPRECIATION~~ R+E - ENGINE

| Cost or Value | Rate | Period | Amount |
|---|---|---|---|
| | E.R. | O.C. | 14,649.61 |
| | | 831-09 | 224.76 |
| | | 846-11 | 6.09 |
| | O.3. | 925-16 | 1.43 |
| | | 5063-20 | 1.74 |
| | | 5060-20 | 29.17 |
| | | 5152-23 | <33.40> |
| | | 5030-26 | <17,270.00> |
| | | 5017-27 | < 29.17> |
| | | 5110-27 | 33.40 |
| | | 5015-29 | 2386.56 |

~~DEPRECIATION~~ R+E - TENDER

| Cost or Value | Rate | Period | Amount |
|---|---|---|---|
| | E.R. | O.C. | 2384.82 |
| | O.3. | 5079-21 | 1.74 |
| | | 5009-41 | <2386.56> |

Engine under credited .19

FINAL DISPOSITION

By _____ Place _____ Date _____

Total Cost based on {Original Cost / Receivership Value}

Salvage

Accrued Depreciation

Amount Charged to Retirements