



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

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

Form 7310 4200 RP

Northern Pacific Ry. Co's Class R I. C. C. Class 4-6-0 Service Freight Number 172

LOCOMOTIVE DATA

Original Number 172
Renumbered from _____ to _____ Date _____
" " " " " " " "
Builder Schenectady Loco. Wks. Builders No. 4564.
Date Built, Month July Year 1897.
From whom purchased Schenectady Loco. Wks.
Purchased New or Second Hand New Date 7-28-97.
Authority No. _____ Voucher No. _____ Reqn. No. _____
Receiving Station St. Paul, Minn. Date 8-5-97.
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-4
(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 Amer. 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 46"
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 3-1-26

Original Cost F. O. B. Chicago, Ill. 12 389 88
 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 12 549 80

ENG'R. REPORT 14,106.00

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

DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS

NP 172

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
846-11	5-15	Safety appliances	9 89
925-16	6-17	Back stop on pilot step	1 43
5079-21	1-31-27	AL-156 Water Crane Hooks	1 74
898-17		8264 8000 in. Hoop	192 69
5152-23	12-23	AV-18 Air Signal Equip. Removed	33 40
5049-26	4-26	Engine Portion Retired	< 12 755 55 >
5110-27		Retirement Adj.	33 40
5015-29		Retirement adj.	1 758 71
5053-44	3-22-44	TENDER TO WATER (AR 396)	< 1 758 71 >

-DEPRECIATION- R+E - ENGINE			-DEPRECIATION- R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	10,792.83	E.R.	O.C.	1,756.97
	846-11	9.89	O.S.	5079-21	1.74
	898-17	192.69		5053-44	< 1 758 71 >
O.S.	925-16	1.43			
	5152-23	< 33.40 >			
	5049-26	< 12 755 55 >			
	5110-27	33.40			
	5015-29	1 758 71			

FINAL DISPOSITION

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