



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER-P-1911, GR-3.
VAL. GR. L-48.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class P I. C. C. Class 4-6-0 Service Passenger Number 252

LOCOMOTIVE DATA

Original Number 202
 Renumbered from 202 to 252 Date 4-22-1901.
 Builder Schenectady Loco. Wks. Builders No. 4704.
 Date Built, Month Feb. Year 1898.
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 2-19-98.
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 3-1-98.
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wagon top, rad. stay O. D. First Ring 62."
 Flues, No. 156 & 26 Outside Dia. 2" & 5 3/8" Length 2' 0" 13' 8"
 Steam Pressure, Maximum 200# Working 200#
 Firebox, Type Narrow Length 108-3/16"
 Width, Top 61" Bottom 41"
 Height, Front 76" Back 64"
 Grate Area 30.8 sq. ft. Oil Burner, Type _____ Size _____
 Combustion Chamber, Length None
 Arch Tubes, No. 4 Size 3"
 Superheater, Kind None Schmidt.
 Feedwater Heater, Kind None Reheater, Kind None
 Heating Surface Tubes 409 2, 29 sq. ft. Flues 497 sq. ft.
 Firebox 167 sq. ft. Arch Tubes 29 sq. ft.
 Superheating 390 " " Total Equivalent 2387 sq. ft.
 Cylinders H. P., Dia., 20" L. P. Dia., _____ Stroke 26"
 Drivers—Dia. over New Tires 69"
 Driving Wheel Centers, Kind Cast Steel Dia. 62"
 Wheels, Leading Truck, Kind Steel Tired Dia. 33"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14' 10" Total 25' 10"

Weight on Drivers 115,000 ~~112,000~~ lbs. 136,500
 Weight of Engine, Working Order 154,200 ~~150,600~~ lbs. Light 132,990 ~~132,990~~ lbs.
 Tractive Power I. C. C. Formula 25.6
 TENDER, Type U-Shape, Number 3-C-15
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 4,350 Oil, Gals. 3,313 Coal, Tons 9
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Rolled Steel, 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. 174,700 Loaded 92,450 lbs.
 Weight Engine and Tender, Light 171,300 lbs. Loaded 243,050 lbs.
246,650
 APPURTENANCES
 Headlights, No. 1 Kind Pyle - Electric
 Main Valve, Kind Piston Dia. (If piston) 10"
 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 20 1/2" x 41"
 Train Signals, Kind West. Air Sanders, Kind Leach E & 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 Tower 6" x 6" Tender Sharon 5" x 7"

NOTE: Weights based upon assumption that coal is used for fuel.

NOTE: INK FIGURES EFFECTIVE 12-1923.

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. Chicago, Ill.	11	924	55
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in		47	91
Miscellaneous, Tools, etc.		42	73
Freight paid from Chicago to St. Paul		69	20
Total	12	084	39

ENG'R. REPORT 13,567.00 DEPRECIATION ENGINE 84 1/4% = 11,430.20
 TENDER 15 3/4% = 2,136.80
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS NP 252
 { Receivership Value }

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
846-11	5-15	Safety appliances	7 49
925-16	8-27	Back stop on pilot step	1 43
831-16	11-16	Priest flanger	256 09
5175-23	5-26-24	1 ALM. Turbo generator replacing like	1 022 57
5074-22	11-21-23	Superheater	
5074-22	12-22-23	2 Air Res. out-2 Reservoirs in	170 56
5173-23	12-22-23	BL 71 Oil Burner	586 08
5074-23	1-2-23	AL-91 Superheater	1 511 55
5158-23	1-2-23	BL 4 Rec. Headlight	212 58
5064-25	3-30-25	BL 71 Oil Burner removed	< 586 08 >
5111-23	12-23	AL-167 HANDHOIDS ON SAND DOME	1 59
879-16	8-19	Straight Air Brake	67 61
		Adj. for 879-16	< 2 92 >
5098-24	9-25	BL-48 Eccentric Straps	115 96
5023-34	10-20-24	BL-171 HD LTR GENERATOR ENG'D	993 14
5102-27	9-23	AL-184. Blower pipe Fittings	8 73
5114-30	4-31	AL-74 Pneumatic Fire door	64 92
5003-30	6-31	AL-204 SIGNAL KIT	2 05
5083-31	2-32	BL-177 SPARK ARRESTER	182 52
5047-32	1-31	AL-171. Hd. Lt. Gen. ^{CHAS.} removed	< 1022 57 >
5081-39	2-24-40	BL-171. " " CHANGED	< 993 14 >
5007-41	5-31-41	ENGINE PORTION DISM.	< 12525.12 >

DEPRECIATION - ENGINE			DEPRECIATION - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	10,181.10	E.R.	O.C.	1903.29
	846-11	7.49		5058-44	< 1903.29 >
	879-16	67.61			
	" Adj.	< 2.92 >			
	5158-23	212.58			
	5173-23	586.08			
O.B.	925-16	1.43			
	5175-23	1022.57			
	5074-22	170.56			
	5072-23	1511.55			
	5064-25	< 586.08 >			
	5111-23	1.59			
	5098-24	115.96			
	5102-27	8.73			
	5114-30	64.92			
	5003-30	2.05			
	5083-31	182.52			
	5047-32	< 1022.57 >			
	5023-34	993.14			
	5081-39	< 993.14 >			
	5007-41	< 12525.12 >			

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

memo - when this tender is retired add an adjustment for engine into of < 547 > for O.C. 5064-25 included in retirement at 1,780 sh. be 174

Balance of 4588 requires that ship to be granted.

12,525.12
13,567.00

5007-41 5-31-41 ENGINE PORTION DISM. < 12525.12 > 5058-44 8-25-44 TENDER TO 57 < 1903.29 >