



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-11.
VAL. GR. L-56.Northern Pacific Ry. Co's Class S-1I. C. C. Class 4-6-0Service Freight

Number

138

LOCOMOTIVE DATA

Original Number 194
Renumbered from 194 to 138 Date _____
“ “ “ “ “ “
Builder Schenectady Loco. Wks. Builders No. 5142
Date Built, Month Aug. Year 1899
From whom purchased Schenectady Loco. Wks.
Purchased New or Second Hand New Date 8-9-1899
Authority No. _____ Voucher No. _____ Reqn. No. _____
Receiving Station St. Paul, Minn. Date 8-18-1899
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 _____
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 136,200 lbs.
Weight of Engine, Working Order 182,500 lbs. Light 155,200 lbs.
Tractive Power I. C. C. Formula 30.7
TENDER, Type U-Shape Number 7-C-34
(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 1/4" x 8" Trucks, Kind Arch Bar
Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
Weight, Light 38,200 lbs. Loaded 88,450 lbs.
Weight Engine and Tender, Light 193,500 lbs. Loaded 270,950 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 A-1
Stoker, Kind None Power Reverse, Kind _____
Flange Lubricators, Kind None
Pneumatic Fire Doors, Kind None
Automatic Bell Ringers, Kind Gollmar
Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 6" x 6"

FINAL DISPOSITION

By DISMANTLED Place _____Date 5-7-29

Original Cost F. O. B. Chicago, Ill.	12 267 17
Receivership Value	
Designing and Engineering	
Inspection during Construction	40
Inspection of Material	
Messenger Service	
Setting up and breaking in	48 38
Miscellaneous, Tools, etc.	38 22
Freight paid from Chicago to St. Paul	60 00
Total	12 414 17

ENGR. REPORT 14,317.00 DEPRECIATION ENGINE 86% = 12,312.62
 TENDER 14% = 2,004.38
 DEPRECIATION BASED ON { Original Cost / Receivership Value } PLUS IMPROVEMENTS **NP 138**

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety Appliances	6 56
925-16	4-24	Back stop on pilot steps	1 43
813-18	7-19	Air compressor	304 06
5079-21	5-11-22	AL-156 Water Crane Hooks	1 74
5111-23	5-24	A1-169 Handhelds on Land Crane	1 59
5152-23	5-24	A1-18 Air Signal Equip. removed	< 23 40 >
5092-28	1-28	A1-183 Windshields	4 84
5104-29	12-19-29	Tender fitting retired	< 1774 72 >
5000-29	5-29	Retired Engine part	< 11 180 61 >
		{ adj. for #813-18	42 01
5096-30	2-29	Retirements adj.	< 42 01 >
5122-30		Retirement Adj.	< 4 84 >
		TRANSF FROM #1087	35 00

DEPRECIATION - R+E - ENGINE			DEPRECIATION - R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	10,676.19	E.R.	O.C.	1,737.98
	845-10	224.18	O.S.	5079-21	1 74
	846-11	6.56		5104-29	< 1774.72 >
	O.S.	925-16		TRF FROM #1087	35.00
		1.43			
	813-18	304.06			
	5111-23	1.59			
	5152-23	< 23 40 >			
	5092-28	4.84			
	5000-29	< 11 180 61 >			
	5096-30	42.01			
	"	< 42.01 >			
	5122-30	< 4.84 >			

FINAL DISPOSITION

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