



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-15.
VAL. GR. L-77.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class Y I. C. C. Class 2-8-0 Service Switch Number 38

LOCOMOTIVE DATA

Original Number 38
 Renumbered from _____ to _____ Date _____
 " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4914
 Date Built, Month Dec. Year 1898
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 12-9-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 12-18-1898
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. Wagon top, rad. stay O. D. First Ring 72 1/8"
 Flues, No. 206 & 32 Outside Dia. 2" & 5 1/2" Length 12'9"
 Steam Pressure, Maximum 200# Working 175#
 Firebox, Type Narrow Length 120-3/16"
 Width, Top Wt. F. 67 1/2", Bk. 61 1/2" Bottom 42"
 Height, Front 77" Back 73 1/2"
 Grate Area 35 sq. ft. Oil Burner, Type _____ Size _____
 Combustion Chamber, Length None
 Arch Tubes, No. 2 Size 3"
 Superheater, Kind Schmidt
 Feedwater Heater, Kind None Reheater, Kind _____
 Heating Surface Tubes 1,360 sq. ft. Flues 583 sq. ft.
 Firebox 203 sq. ft. Arch Tubes 15 sq. ft.
 Superheating 468 sq. ft. Total Equivalent 2,863 sq. ft.
 Cylinders H. P., Dia., 20" L. P. Dia., _____ Stroke 34"
 Drivers—Dia. over New Tires 55"
 Driving Wheel Centers, Kind Cast Steel Dia. 48"
 Wheels, Leading Truck, Kind Steel Tired Dia. 30"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14'8" Total 23'3"

Weight on Drivers 173,300 lbs.
 Weight of Engine, Working Order 191,000 lbs. Light 170,660 lbs.
 Tractive Power I. C. C. Formula 36.7
 TENDER, Type U-Shape Number 10-C-4
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 5,500 Oil, Gals. _____ Coal, Tons 10
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Cast Iron Dia. 33"
 Journals, Size 5" x 9" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 45,000 lbs. Loaded 112,000 lbs.
 Weight Engine and Tender, Light 215,660 lbs. Loaded 303,000 lbs.

APPURTENANCES

Headlights, No. 1 Kind Pyle - Electric
 Main Valve, Kind Piston Dia. (If piston) 12"
 Valve Gear, Kind Stephenson Driver Brake, Kind An. Equal.
 Air Brake Equipment, Kind Westinghouse Schedule A-1, SWA
 Air Pumps, No. 2 Make Westinghouse Size 2 1/2"
 Air Reservoirs, No. 3 Size 2-22 1/2" x 51" & 1-12" x 14"
 Train Signals, Kind None Sanders, Kind Leach E Dble. & Hand
 Stoker, Kind None Power Reverse, Kind _____
 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 _____ Place _____ Date _____

Original Cost F. O. B. Chicago, Ill.	13	219	47
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	(93	77
Miscellaneous, Tools, etc.	(
Freight paid from Chicago to St. Paul		75	66
Total	13	388	90

ENG. REPORT * 17,277.00 DEPRECIATION ENGINE 85.041% = 14,692.52
 TENDER 14.959% = 2,584.48

DEPRECIATION BASED ON { Original Cost / Receivership Value } PLUS IMPROVEMENTS NP38

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	11193 12		E.R.	O.C.	219578
		846-11	8 31		5094-51		<219578>
		812-12	229 73				
		924-16	19 85				
	O.B.	812-19	78 76				
		5111-23	1 59				
	E.R.	849-16	3384 55				
	O.B.	5028-26	121 04				
		5024-29	85 06				
		5034-29	58 08				
		5024-36	58 50				
		5010-36	255 68				
		5007-38	11 45				
		5067-41	<1550572>				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
846-11	5-15	Safety Appliances	8 31
812-12	1-13	Electric headlights	229 73
924-16	11-16	Change headlights	19 85
812-19	2-19	AL-57 Flange Lubricator	78 76
5111-23	1-30-26	AL-169 HAND HOLD ON SAND CRUISE	1 59
849-16	2-17	Remodeled	3384 55
5028-26	7-24	BL-72. Counter Pilot Beam	121 04
5024-29	6-29	BL-74 Fire door Changed	85 06
5034-29	5-31	AL-206 BLOWOFF COCK MUFFLER	58 08
5034-36	2-12-36	" " " " ENG'D	58 50
5010-36	2-12-36	BL-177. SPARK ARRESTER	255 68
5007-38	7-15-37	AL-217. ALUMINA LUB. FITTINGS	11 45
5067-41	9-10-41	ENGINE PORTION DISM.	<1550572>
5094-51	8-5-52	TENDER DISM	<219578>

FINAL DISPOSITION

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

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