



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-14.
VAL. GR. L-76.

Form 7310 4200

Northern Pacific Ry. Co's Class Y I. C. C. Class 2-8-0 Service SWITCH ~~Freight~~ Number 34

LOCOMOTIVE DATA

Original Number 34
 Renumbered from _____ to _____ Date _____
 " " " " " " " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4904
 Date Built, Month Dec. Year 1898
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 12-3-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 12-14-1898
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wagon top, rad. stay O. D. First Ring 72 1/2"
 Flucs, No. 230 206 + 32 Outside Dia. 27 1/2" 2" + 5 1/2" Length 140" 12' 9"
 Steam Pressure, Maximum 200# Working 175 = 200#
 Firebox, Type Narrow Length 120-3/16"
 Width, Top Wt. 8, 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 None SCHMIDT 8/31/17
 Feedwater Heater, Kind None Reheater, Kind _____
 Heating Surface Tubes 1360 sq. ft. Flues 5 P3
 Firebox 203 Arch Tubes 2 9 1/2"
 Superheating 46.8 Total Equivalent 2,227 sq. ft.
 Cylinders H. P., Dia. 23" - 20" L. P. Dia. 23" 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 173,500 lbs. AFTER 9/17/17
 Weight of Engine, Working Order 186,000 lbs. Light 170,660 lbs.
 Tractive Power I. C. C. Formula 36.7
 TENDER, Type U-Shape Number 9-C-10
 (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 2 pr. S. T. 2 pr. H. S. 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 209,000 lbs. Loaded 298,000 lbs.
 APPURTENANCES
 Headlights, No. 2 Kind Pyl - Electric
 Main Valve, Kind Slide Dia. (If piston) _____
 Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal.
 Air Brake Equipment, Kind Westinghouse Schedule A-1, SWA
 Air Pumps, No. 2 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 3 Size 2-22 1/2" x 51" & 1-12" x 14"
 Train Signals, Kind None Sanders, Kind NP Double
 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 5" x 5"

Note: pencil changes effective 8-31-17.

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F.O. B. Chicago, Ill.	13	233	31
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	(105	51
Miscellaneous, Tools, etc.	(
Freight paid from Chicago to St. Paul		84	24
Total	13	423	06

ENG. REPORT \$15,759.00 ^{DEPRECIATION} **ENGINE** 83.6% = 13,174.52
TENDER 16.4% = 2,584.48
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP 34**

ADDITION AND BETTERMENT

A. F. E. No.	Date	Descriptic		
845-10	7-11	Electric headlights	224	18
846-11	5-15	Safety Appliances	8	31
5063-20	10-5-21	AL-169 Hand Holds on Sand Domes	1	75
5104-24	1-22-25	AL-165 Cab Heater	23	06
5062-24	1-20-25	Bl-72 Pilot Beam changed	111	32
849-16	8-31-17	single + superheat	3384	55
5079-21	1-22	Water crane hook	1	75
5002-91	3-30-31	PNEU. FIRE DOOR	659	6
5029-37	9-25-37	AL-177. SPARK ARRESTER	327	63
5070-39	10-4-39	TENDER PORTION RETIRED	(2203.13)	
5007-40	8-27-42	AL-176. POWER REVERSE	188	00
5106-41	"	AL-6. COMP. AIR COMP.	199	29
5011-49	5-24-45	AL-94. WATER GLASS GUARD CHGD	29	14
5178-56	9-25-57	ENGINE PORTION SOLD AS <u>15784.87</u>		

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	11 221 68	E.R.	O.C.	2201 38
	845-10	224 18	O.B.	5079-21	175
	846-11	8 31		5070-39	(2203.13)
O.B.	5063-20	175			
	5104-24	23 06			
	5062-24	111 32			
	849-16	3384 55			
	5002-91	659 6			
	5029-37	327 63			
	5007-40	188 00			
	5106-41	199 29			
	5011-49	29 14			
	5178-56	(15784.87)			

FINAL DISPOSITION

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

Eng. Report
Order 3

15040.81
15368.44
15755.73
15784.87