



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 33

LOCOMOTIVE DATA

Original Number 33
 Renumbered from _____ to _____ Date _____
 " " " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4903
 Date Built, Month Nov. Year 1898
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 11-7-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 11-16-1898
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wagon top, rad. stay O. D. First Ring 72 1/2"
 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. 6 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. None Size _____
 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 _____
 Superheating 468 sq. ft. Total Equivalent 2,848 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 35.8
 TENDER, Type U-Shape Number 2-C-5
 (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 Sp. R. S. I. 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. 2 Kind Pyle - Electric
 Main Valve, Kind Piston 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. 2 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 2 Size 22 1/2" x 51"
 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 Crosby
 Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 5" x 5"

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. **Chicago, Ill.** 13 254 16
 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 13 443 91

ENG. REPORT \$17,277.00

DEPRECIATION **ENGINE 89.041% = 14,692.52**
TENDER 14.959% = 2,584.48

DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS

NP 23

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	11 239.11	E.R.	O.C.	2204.80
	831-09	224.76		5015-29	<2304.80>
	846-11	8.30			
O.3.	5062-24	111.31			
	5111-23	1.59			
E.R.	849-16	3384.55			
O.3.	5024-29	85.06			
	5007-37	11.45			
	5007-40	188.00			
	5000-48	28.62			
	5161-57	<15282.75>			

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
831-09	1-10	Electric headlights	224.76
846-11	5-15	Safety Appliances	8.30
5052-24	6-20-25	BL-72 Pilot Beam Changed	111.31
5049-26	4-26	Tender Portion Retired	< - >
5111-23	6-25	AL-169 HANDHOLD ON SAND DOME	1.59
5055-26	4-26	Tender reinstated in Year 7 (see Water Car 388)	
849-16	2-17	Remodeled	3384.55
5015-29	-	Retirement adj.	< 2204.80 >
5024-29	7-29	BL-74 Fire door Changed	85.06
5007-38	4-7-37	AL-217. ALEMITE LVO. FITTINGS	11.45
5007-40	3-24-41	AL-176. POWER REVERSE	188.00
5000-48	2-16-48	BL-96. WATER GLASS GUARD GING'R	28.62
5161-57	6-20-58	ENGINE DISM.	< 15282.75 >

FINAL DISPOSITION

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

15054.68
 15066.33
 15254.75
 15282.75

Eng Report
 Order 3
 Eng Report