



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 40

LOCOMOTIVE DATA

Original Number 40
 Renumbered from _____ to _____ Date _____
 " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4916
 Date Built, Month Dec. Year 1898
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 12-13-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 12-23-1898
 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. 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 170,560 lbs.
 Tractive Power I. C. C. Formula 36.8
 TENDER, Type U-Shape Number 10-C-1
 (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 Steel Tired 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 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. 3 Size 2-22 1/2" x 51" & 1-12" x 14"
 Train Signals, Kind None Sanders, Kind NP Jble.
 Stoker, Kind None Power Reverse, Kind _____
 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"

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. **Chicago, Ill.** 13 227 34
 Receivership Value
 Designing and Engineering
 Inspection during Construction
 Inspection of Material
 Messenger Service
 Setting up and breaking in
 Miscellaneous, Tools, etc.
 Freight paid from **Chicago to St. Paul** 75 66
 Total 13 396 77

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

DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP 40**

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Electric headlights	224 76
846-11	5-15	Safety Appliance	8 31
5079-21	3-8-22	Water Crane Hook on Tender	1 74
5063-20	3-10-22	AL-119 Hand Holes on Sand Dome	1 74
849-16	5-17	Remodeled	3384 55
5028-26	7-25	BL-72. Cast Steel Pilot Beam	121 04
5071-30	9-30	Tender Portion Retired	<219881>
5007-30	6-30	BE74 PNEUMATIC FIRE DOOR	64 92
5007-38	1-1938	AL-317. ALUMINUM LUB. FITTINGS	11 45
5067-41	9-22-41	ENGINE PORTION DISM.	<1501647>

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	11 199 70	E.R.	O.C.	2 197 07
	831-09	224 76	O.S.	5079-21	1 74
	846-11	8 31		5071-30	<219881>
O.S.	5063-20	1 74			
E.R.	849-16	3384 55			
O.S.	5028-26	121 04			
1	5007-30	64 92			
	5007-38	11 45			
	5067-41	<1501647>			

FINAL DISPOSITION

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