



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-10.
VAL. GR. L-55.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class S- I. C. C. Class 4-6-0 Service Freight Number 161

LOCOMOTIVE DATA

Original Number 161
 Renumbered from _____ to _____ Date _____
 " " " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4728
 Date Built, Month Apr. Year 1898.
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 4-26-98.
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 5-6-98.
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. Wagon top, rad. stay O. D. First Ring 70"
 Flues, No. 376 Outside Dia. 2" Length 13'10"
 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 None
 Heating Surface Tubes 2,707 sq. ft. Flues _____
 Firebox 208 sq. ft. Arch Tubes 32 sq. ft.
 Superheating _____ Total Equivalent 2,947 sq. ft.
 Cylinders H. P., Dia., 22" L. P. Dia., 34" Stroke 28"
 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 26'3 1/2"

Weight on Drivers 131,800 lbs.
 Weight of Engine, Working Order 173,800 lbs. Light 152,500 lbs.
 Tractive Power I. C. C. Formula 28.7
 TENDER, Type U-Shape, Number 16-C-5
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 4,350 Oil, Gals. _____ Coal, Tons 9
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Cast Iron Dia. 33"
 Journals, Size 4 1/2" x 8" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 38,200 lbs. Loaded 92,450 lbs.
 Weight Engine and Tender, Light 190,700 lbs. Loaded 266,250 lbs.

APPURTENANCES

Headlights, No. 1 Kind Pyle - 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, S.W.A.
 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 Browne
 Stoker, Kind None Power Reverse, Kind None
 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 Retired Place _____ Date 10-1-25

Original Cost F. O. B. Chicago, Ill. 12 076 97
 Receivership Value
 Designing and Engineering
 Inspection during Construction
 Inspection of Material
 Messenger Service
 Setting up and breaking in (83 50
 Miscellaneous, Tools, etc. (
 Freight paid from Chicago to St. Paul 78 00
 Total 12 238 47

ENGR. REPORT 14,106.00
 DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS
 DEPRECIATION ENGINE 86% = 12,131.16
 TENDER 14% = 1,974.84
 NP161

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description		
845-10	7-11	Electric headlights	224	18
846-11	5-15	Safety appliances	5	44
925-16	12-27	Back stop on pilot steps	1	43
5079-21	1-10-22	AL-156 Water Crane Hooks	1	74
5063-20	6-6-23	AL-169 Hand Holds on Sand Dams	1	74
5030-26	10-25	Engine portion retired	<12	471 26>
5015-29		Retirement adj.	1	715 13
5017-27		Retirement adj.	<	174>
5033-45	9-6-45	TENDER PORTION DISM.	<	1715 13>

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	10,525.08		E.R.	O.C.	1,713.39
		845-10	224.18		O.B.	5079-21	1.74
		846-11	5.44		5033-45	<	1,715.13
	O.B.	925-16	1.43				
		5063-20	1.74				
		5030-26	<12,471.26>				
		5017-27	< 1.74>				
		5015-29	1,715.13				

FINAL DISPOSITION

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