



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-11.
VAL. GR. L-56.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class S-1 I. C. C. Class 4-6-0 Service Freight Number 146

LOCOMOTIVE DATA

Original Number 152
 Renumbered from 152 to 132 Date Aug. 1899
 " " 132 " 146 " July 1900
 Builder Schenectady Loco. Wks. Builders No. 5136
 Date Built, Month July Year 1899
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 7-26-1899
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 8-4-1899
 Setting up Shop Brainord, Minn.
 Boiler Type Ext. Wagon top, rad. stay O. D. First Ring 70"
 Flues, No. 376 Outside Dia. 2" Length 14'2"
 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 _____
 Heating Surface Tubes 2,776 sq. ft. Flues _____
 Firebox 208 sq. ft. Arch Tubes 32 sq. ft.
 Superheating _____ Total Equivalent 3,016 sq. ft.
 Cylinders H. P., Dia., 22" L. P. Dia., 34" Stroke 30"
 Drivers—Dia. over New Tires 63"
 Driving Wheel Centers, Kind Cast Steel Dia. 56"
 Wheels, Leading Truck, Kind Steel Tired Dia. _____
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14'10" Total 25'10 1/2"

Weight on Drivers 136,200 lbs.
 Weight of Engine, Working Order 182,500 lbs. Light 155,300 lbs
 Tractive Power I. C. C. Formula 30.7
 TENDER, Type U-Shape Number 7-C-27
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 4,350 Oil, Gals. _____ Coal, Tons 7
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Cast Iron Dia. 33"
 Journals, Size 4 1/2" x 3" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 38,200 lbs. Loaded 88,450 lbs.
 Weight Engine and Tender, Light 193,500 lbs. Loaded 270,950 lbs.

APPURTENANCES

Headlights, No. 1 Kind Pyle - Electric
 Main Valve, Kind Piston & Slide 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. 1 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 2 Size 22 1/2" x 51"
 Train Signals, Kind West. Air Sanders, Kind Leuch E Dble. & Hand
 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 6" x 6"

FINAL DISPOSITION

By Retired Place So. Tacoma Date 6-26-28

Original Cost F. O. B. Chicago, Ill.	12	254	83
Receivership Value			
Designing and Engineering			
Inspection during Construction			40
Inspection of Material			
Messenger Service			
Setting up and breaking in		48	38
Miscellaneous, Tools, etc.		38	22
Freight paid from Chicago to St. Paul		60	00
Total	12	401	83

ENG'R. REPORT 14,317.00 DEPRECIATION ENGINE 86% = 12,312.62
 TENDER 14% = 2,004.38

DEPRECIATION BASED ON { Original Cost / Receivership Value } PLUS IMPROVEMENTS NP146

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description		
845-10	7-11	Electric headlights	224	18
846-11	5-15	Safety appliances	6	56
925-16	UNIDENTIFIED	Back stop on pilot steps	1	43
813-18	5-19	Air compressor	304	06
5079-21	3-19-24	AL-156 lbater Crane Hooks	1	74
5111-23	7-19-23	AL-169 HANDHOODS ON SAND PAPER	1	59
5152-23	7-26	AL-18. An Signal Equip removed	33	40
5047-28	2-28	Retired, Eng'g job	11	69.99
5122-36	5-11-27	TENDER DISMANTLED	1	738.00

Cost or Value	DEPRECIATION - ENGINE			Cost or Value	DEPRECIATION - TENDER		
	R+E	Rate	Period		R+E	Rate	Period
	E.R.	O.C.	10,665.57		E.R.	O.C.	1,736.26
		845-10	224.18		O.S.	5079-21	1.74
		846-11	6.56			5122-36	(1,738.00)
	O.S.	925-16	1.43				
		813-18	304.06				
		5111-23	1.59				
		5152-23	(33.40)				
		5047-28	(11,699.99)				

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