



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

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

Form 7310 RP

Northern Pacific Ry. Co's Class S-1 I. C. C. Class 4-6-0 Service Freight Number 147

LOCOMOTIVE DATA

Original Number 169
 Renumbered from 169 to 133 Date Aug. 1899
 " " 133 " 147 " July 1900
 Builder Schenectady Loco. Wks. Builders No. 5137
 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 Brainerd, 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. 30"
 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-28
 (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 1/4" x 6" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 38,200 lbs. Loaded 92,400 lbs.
 Weight Engine and Tender, Light 193,500 lbs. Loaded 274,900 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 8 1/2" CC
 Air Reservoirs, No. 2 Size 22 1/2" x 51"
 Train Signals, Kind West Air. Sanders, Kind Leach E Dble. & Hand
 Stoker, Kind None Power Reverse, Kind _____
 Flange Lubricators, Kind None
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Crosby
 Couplers, Kind, Engine Tower 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	264	31
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	411	31

ENG'R. REPORT 14,317.00 DEPRECIATION-ENGINE 86% = 12,312.62
 TENDER 14% = 2,004.38
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } NP 147

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description		
831-09	1-10	Electric headlights	224	76
846-11	5-15	Safety appliances	6	56
925-16	9-27	Back stop on pilot step	1	43
848-18	10-20	Cross comp. compr.	331	39
873-19	12-19	Front number plates	4	83
5079-21	3-14-22	AL-156 Water Crane Hooks	1	74
5063-20	6-21	AL-169 Hand Holds on Sand Dumps	1	74
5030-26	10-25	Engine piston retired	<12	982.02>
5015-29		Retirement adj.	1	739.32
5017-27		Retirement adj.	<	174>
5081-39	4-29-20	TENDER DISM.	<	1739.32>

Cost or Value	-DEPRECIATION-			Cost or Value	-DEPRECIATION-		
	R+E	-ENGINE	Amount		R+E	-TENDER	Amount
	E.R.	O.C.	10,673.73		E.R.	O.C.	1,737.58
		831-09	224.76		O.C.	5079-21	174
		846-11	6.56			5081-39	<1739.32>
		848-18	331.39				
	O.C.	925-16	1.43				
		873-19	4.83				
		5063-20	1.74				
		5030-26	<12,982.02>				
		5017-27	<174>				
		5015-29	1,739.32				

FINAL DISPOSITION

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