



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 143

## LOCOMOTIVE DATA

Original Number 199  
 Renumbered from 199 to 143 Date \_\_\_\_\_  
 " " " " " "  
 Builder Schenectady Loco. Wks. Builders No. 5147  
 Date Built, Month Aug. Year 1899  
 From whom purchased Schenectady Loco. Wks.  
 Purchased New or Second Hand New Date 8-15-1899  
 Authority No. \_\_\_\_\_ Voucher No. \_\_\_\_\_ Reqn. No. \_\_\_\_\_  
 Receiving Station St. Paul, Minn. Date 8-28-1899  
 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-12  
 (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 8" 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 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 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. 12 227 73  
 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 St. Paul 60 00  
 Total 12 374 73

ENG'R. REPORT 14,317.00 DEPRECIATION-  
 ENGINE 86% = 12,312.62  
 TENDER 14% = 2,004.38  
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS NP 143  
 { Receivership Value }

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
835-12	7-13	Air pumps	83	68
825-16	11-16	Cross comp. compr.	220	27
882-16	3-18	Cross comp. compr.	265	18
925-16	6-27	Back stop on pilot step	1	43
5079-21	2-13-24	AL-156 Water Crane Hook	174	
5063-20	12-4-20	AL-169 Hand Holds on Sand Dancer	174	
5152-23	12-23	11-16 Original Equip Removal	33	40
5030-26	10-25	Engine portion retired	< 12739	36
5110-27		Retirement Adj.	33	40
5015-29		Retirement adj.	1734	20
5017-27		Retirement adj.	< 174	>
TRANS. FROM #1538			155	
5081-39	6-3-40	TENDER DMM.	< 1734	20

DEPRECIATION- R+E -ENGINE			DEPRECIATION- R+E -TENDER				
Cost or Value	Rate	Period	Amount	Cost or Value	Rate	Period	Amount
	E.R.	O.C.	10,642.27		E.R.	O.C.	1,732.46
			831-09 224.76		O.C.	5079-21	1.74
			846-11 6.56			5081-39	< 1734.20 >
			835-12 83.68				
			825-16 < 220.27 >				
			882-16 265.18				
	O.C.		925-16 1.43				
			5063-20 1.74				
			5152-23 < 33.40 >				
			5030-26 < 12739.36 >				
			5110-27 33.40				
			5017-27 < 1.74 >				
			5015-29 1734.20				
			TRANS. #1538 155				

FINAL DISPOSITION

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