



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 142

## LOCOMOTIVE DATA

Original Number 198  
Renumbered from 198 to 142 Date \_\_\_\_\_Builder Schenectady Loco. Wks. Builders No. 5146Date Built, Month Aug. Year 8-18-1899From whom purchased Schenectady Loco. Wks.Purchased New or Second Hand New Date 8-28-1899

Authority No. \_\_\_\_\_ Voucher No. \_\_\_\_\_ Reqn. No. \_\_\_\_\_

Receiving Station St. Paul, Minn. Date 8-28-1899Setting 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. Burner, Type \_\_\_\_\_ Size \_\_\_\_\_Combustion Chamber, Length NoneArch Tubes, No. 4 Size 3"Superheater, Kind NoneFeedwater 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 30.7TENDER, Type U-Shape Number 7-C-14

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. 4,350 Oil, Gals. \_\_\_\_\_ Coal, Tons 7Underframe, Kind Steel End Sills, Kind WoodWheels, No. 8 Kind Cast Iron Dia. 33"Journals, Size 4 1/4" x 8" Trucks, Kind Arch BarAir Brake Cylinder, Size 10" x 12" Coal Pusher, Kind NoneWeight, 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 ElectricMain 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, SWAAir Pumps, No. 1 Make Westinghouse Size 8 1/2" CCAir Reservoirs, No. 2 Size 22 1/2" x 51"Train Signals, Kind West. Air Sanders, Kind Leach E. Dble. & HandStoker, Kind None Power Reverse, Kind \_\_\_\_\_Flange Lubricators, Kind NonePneumatic Fire Doors, Kind NoneAutomatic Bell Ringers, Kind GollmarCouplers, 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	226	69
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	373	69

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 NP142

Cost or Value	DEPRECIATION-			Cost or Value	DEPRECIATION-		
	R+E	-ENGINE	Amount		R+E	-TENDER	Amount
	Rate	Period		Rate	Period		
	E.R.	O.C.	10,641.37	E.R.	O.C.	1,734.32	
		831-09	224.76	0.3	5079-21	1.74	
		846-11	6.56	1	5122-36	<1,734.06>	
		835-12	83.68				
	0.3	804-16	11.97				
		925-16	1.43				
		5063-20	1.74				
		5152-23	<33.40>				
		5030-26	<12,703.83>				
		5017-27	<1.74>				
		5110-27	33.40				
		5015-29	1,734.06				

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 pump	83	68
804-16	7-17	Runboard step	11	97
925-16	8-17	Back stop on pilot step	1	43
5079-21	3-17-24	AL-156 Water Crane Hook	1	74
5063-20	11-7-21	AL-169 Hand Holds on Sand Dumps	1	74
5152-23	12-23	AL-18 New Signal Equip. Renewal	33	40
5030-26	10-25	Engin: portion retired	<12,703.83>	
5110-27		Retirement Adj.	33	40
5015-29		Retirement adj.	1,734	06
5017-27		Retirement adj.	<1.74>	
5122-36	6-25-37	TENDER DISMANTLED	<1,734.06>	

FINAL DISPOSITION

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