



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1913, GR-9.
VAL. GR. L-90.

Form 7310 4200 R1

Northern Pacific Ry. Co's Class X I. C. C. Class 4-8-0 Service Switch Number 15

LOCOMOTIVE DATA

Original Number 5
Renumbered from 5 to 15 Date 8-1897.Builder Schenectady Loco. Wks. Builders No. 4525
Date Built, Month Feb. Year 1897
From whom purchased Schenectady Loco. Wks.
Purchased New or Second Hand New Date 2-6-97.Authority No. _____ Voucher No. _____ Reqn. No. _____
Receiving Station St. Paul, Minn. Date 2-16-97
Setting up Shop Brainerd, Minn.Boiler Type Ext. wagon top, rad. stay O. D. First Ring 72"
Flues, No. 206 & 32 Outside Dia. 2" & 5 1/2" Length 13'1"Steam Pressure, Maximum 200# Working 175#
Firebox, Type Narrow Length 120-3/16"Width, Top 67 1/2" Bottom 42"
Height, Front 77" Back 73 1/2"Grate Area 35 sq. ft. Oil Burner, Type _____ Size _____
Combustion Chamber, Length NoneArch Tubes, No. 2 Size 3"
Superheater, Kind SchmidtFeedwater Heater, Kind None Reheater, Kind None
Heating Surface Tubes 1,410 sq. ft. Flues 602 sq. ft.Firebox 207 sq. ft. Arch Tubes 15 sq. ft.
Superheating 468 sq. ft. Total Equivalent 2,936 sq. ft.Cylinders H. P., Dia., 20" L. P. Dia., _____ Stroke 30"
Drivers—Dia. over New Tires 55"Driving Wheel Centers, Kind Cast Steel Dia. 48"
Wheels, Leading Truck, Kind Steel Tired Dia. 28"Wheels, Trailing Truck, Kind _____ Dia. _____
Wheel Base, Rigid 15'6" Total 26'4"Weight on Drivers 146,200 lbs.
Weight of Engine, Working Order 184,200 lbs. Light 163,500 lbs.Tractive Power I. C. C. Formula 32.5
TENDER, Type U-Shape, Number 17-C-2

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. 4,000 Oil, Gals. _____ Coal, Tons 7 1/2
Underframe, Kind Steel End Sills, Kind WoodWheels, No. 8 Kind Cast Iron Dia. 33"
Journals, Size 4 1/2" x 8" Trucks, Kind Arch BarAir Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
Weight, Light 36,300 lbs. Loaded 84,630 lbs.Weight Engine and Tender, Light 199,820 lbs. Loaded 268,830 lbs.
APPURTENANCESHeadlights, No. 2 Kind Pyle - Electric
Main Valve, Kind Piston 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 24 1/2" x 38"Train Signals, Kind None Sanders, Kind Watters #8 & Hand
Stoker, Kind None Power Reverse, Kind NoneFlange Lubricators, Kind None
Pneumatic Fire Doors, Kind NoneAutomatic Bell Ringers, Kind Crosby
Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 6" x 6"

FINAL DISPOSITION

By _____ Place _____ Date _____

ENGINE 86% = 13,960.38
 TENDER 14% = 2,272.62

Original Cost F. O. B. Chicago, Ill.	13	438	66
Receivership Value			
Designing and Engineering		10	46
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in		73	56
Miscellaneous, Tools, etc.			
Freight paid from Chicago to St. Paul		102	81
Total	13	625	49

ENG. REPORT # 16,233.00
 DEPRECIATION BASED ON { Original Cost / Receivership Value } PLUS IMPROVEMENTS **NR 15**

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	11 717 92		E.R.	O.C.	1907 87
		846-11	9 16		O.C.	5079-21	1 74
		812-12	229 78			5122-36	(1909 31)
	O.C.	840-17	390 45				
		5066-25	37 62				
	E.R.	849-16	3386 55				
	O.C.	5104-24	1 58				
		5111-25	2 90				
		5092-28	4 83				
		5024-29	85 06				
		5081-39	(15863 80)				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
846-11	5-15	Safety Appliances	9 16
812-12	1-13	Electric headlights	229 73
840-17	1-15	O.C. Air comprs.	390 45
5079-21	2-13-24	AL-156 Water Crane Hooks	1 74
5066-25	1-23	BL-26 Driving Box Collars	37 62
849-16	1-23	Superheater	3386 55
5164-24	7-25	AL-181 Steam Gauge Holder	1 58
5111-25	11-21	AL-169 Handholds on Land Dome	2 90
5092-28	11-28	AL-143. Wind Shields	4 83
5024-29	5-29	BL-74 Fireboot Changed	85 06
5122-36	5-4-37	TENDER DISMANTLED	(1909 31)
5081-39	3-10-40	ENGINE PARTS DISM.	(15863 80)

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15863 80

FINAL DISPOSITION

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