



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

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

Form 7310 4200 RP

Northern Pacific Ry. Co's Class **X** I. C. C. Class **4-8-0** Service **Switch** Number **16**

## LOCOMOTIVE DATA

Original Number **6**  
 Renumbered from **6** to **16** Date **8-1897.**  
 " " " " " " " "  
 Builder **Schenectady Loco. Wks.** Builders No. **4526.**  
 Date Built, Month **Feb.** Year **1897.**  
 From whom purchased **Schenectady Loco. Wks.**  
 Purchased New or Second Hand **New** Date **2-11-97.**  
 Authority No. \_\_\_\_\_ Voucher No. \_\_\_\_\_ Reqn. No. \_\_\_\_\_  
 Receiving Station **St. Paul, Minn.** Date **2-21-97.**  
 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 1/4"** Bottom **42"**  
 Height, Front **77"** Back **73 1/2"**  
 Grate Area **35 sq. ft.** Oil Burner, Type \_\_\_\_\_ Size \_\_\_\_\_  
 Combustion Chamber, Length **None**  
 Arch Tubes, No. **2** Size **3"**  
 Superheater, Kind **Schmidt**  
 Feedwater 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 **35'6"** 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-4**  
 (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 **Wood**  
 Wheels, No. **8** Kind **Cast Iron** Dia. **33"**  
 Journals, Size **4 1/8" x 8"** Trucks, Kind **Arch Bar**  
 Air 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.**

## APPURTENANCES

Headlights, 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 **Browne & Hand**  
 Stoker, Kind **None** Power Reverse, Kind **None**  
 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 \_\_\_\_\_ Place \_\_\_\_\_ Date \_\_\_\_\_

Original Cost F. O. B. **Chicago, Ill.** 13 440 67  
 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 13 627 50

**ENG. REPORT # 233.00** DEPRECIATION **ENGINE 86% = 13,960.58**  
**TENDER 14% = 2,272.62**  
 DEPRECIATION BASED ON { Original Cost  
 Receivership Value } PLUS IMPROVEMENTS **NP16**

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	11 719 65	E.R.	O.C.	1907 85
	846-11	9 16	O.S.	5079-21	1 74
	812-12	229 73		5063-31	< 1944 59 >
O.S.	840-17	390 45		5008-35	35 00
E.R.	849-16	3384 55			
O.S.	5164-24	1 58			
	5111-23	2 90			
	5092-28	4 83			
	5024-29	85 06			
	5081-39	< 15827 91 >			

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
846-11	5-15	Safety Appliances	9 16
812-12	1-13	Electric headlights	229 73
840-17	10-17	C. C. Air Compr.	390 45
5079-21	3-28-22	AL-156 Water Crane Hooks	1 74
849-16	8-16	Superheater	3 384 55
5164-24	8-25	AL-181 Steam Gause Holder	1 58
5111-23	11-23	AL-167 Hand holds on Land Drome	2 90
5092-28	11-28	AL-193 Hand Shields	4 83
5024-29	7-29	BL-74 Fire door Changed	85 06
5063-31	8-31	Tender dism.	< 1944 59 >
5008-35	9-35	TENDER RET. ADI.	35 00
5081-39	4-40	ENGINE PORTION DISM.	< 15827 91 >

FINAL DISPOSITION

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