



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-6.
VAL. GR. L-51.

Form 7310 RP

Northern Pacific Ry. Co's Class **P-2** I. C. C. Class **4-6-0**

Service **Passenger** Number **246**

LOCOMOTIVE DATA

Original Number **246**
Renumbered from _____ to _____ Date _____
" "

Builder **Amer Loco. Co.** Builders No. **25657.**
Date Built, Month **Mar.** Year **1902.**
From whom purchased **American Loco. Co.**
Purchased New or Second Hand **New** Date **3-27-02.**

Authority No. _____ Voucher No. _____ Reqn. No. _____
Receiving Station **St. Paul, Minn.** Date **4-6-02.**

Setting up Shop **Brainerd, Minn.**

Boiler Type **Ext. wagon top, rad. stay** O. D. First Ring **62 1/2"**

Flues, No. **156 + 26** Outside Dia. **2" x 5 3/8"** Length **44 1/2" x 5 1/2"**

Steam Pressure, Maximum **200#** Working **200#**

Firebox, Type **Narrow** Length **108-3/16"**

Width, Top **61"** Bottom **41"**

Height, Front **76 1/2"** Back **64 1/2"**

Grate Area **30.8 sq. ft.** Oil Burner, Type **None** Size _____

Combustion Chamber, Length **4** Size **3"**

Arch Tubes, No. **4** Size **3"**

Superheater, Kind **None SCHMIDT**

Feedwater Heater, Kind **None** Reheater, Kind **None**

Heating Surface Tubes **2,272 sq. ft.** Flues **497**

Firebox **172** **171** sq. ft. Arch Tubes **29** sq. ft.

Superheating **391** Total Equivalent **2,472** sq. ft.

Cylinders H. P., Dia. **22" 20"** L. P. Dia., **34"** Stroke **26"**

Drivers—Dia. over New Tires **69"**

Driving Wheel Centers, Kind **Cast Steel** Dia. **62"**

Wheels, Leading Truck, Kind **Steel Tired** Dia. **33"**

Wheels, Trailing Truck, Kind _____ Dia. _____

Wheel Base, Rigid **14' 10"** Total **25' 10"**

Weight on Drivers **118,500** ~~110,400~~ lbs. **158,400** ~~140,600~~ lbs.

Weight of Engine, Working Order **160,400** lbs. Light **142,600** lbs.

Tractive Power I. C. C. Formula **24.3 25.6**

TENDER, Type **U-Shape,** Number **3-C-47**

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. **4,350** Oil, Gals. _____ Coal, Tons **9**

Underframe, Kind **Steel** End Sills, Kind **Wood**

Wheels, No. **8** Kind **Cast Iron** Dia. **33"**

Journals, Size **4 1/2" x 8"** Trucks, Kind **Arch Bar**

Air Brake Cylinder, Size **10" x 12"** Coal Pusher, Kind **None**

Weight, Light **38,200** lbs. Loaded **92,450** lbs.

Weight Engine and Tender, Light **180,800** lbs. Loaded **252,850** lbs.

APPURTENANCES **17800** ~~17800~~ **250850** ~~250850~~

Headlights, No. **1** Kind **Pyle - Elect.**

Main Valve, Kind **Slide & Piston** Dia. (If piston) _____

Valve Gear, Kind **Stephenson** Driver Brake, Kind **Am. Equal.**

Air Brake Equipment, Kind **Westinghouse** Schedule **A-1, PL-1012.**

Air Pumps, No. **1** Make **Westinghouse** Size **9 1/2"**

Air Reservoirs, No. **2** Size **20 1/2" x 4 1/2"**

Train Signals, Kind **West. Air** Sanders, Kind **Leach E & 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 5" x 5"**

NOTE: INK CHANGES EFFECTIVE 2-24-25.

FINAL DISPOSITION

By **DISM.** Place _____ Date **Nov 26**

Original Cost F. O. B. Chicago, Ill.	15	600	01
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	(103	07
Miscellaneous, Tools, etc.			
Freight paid from Chicago to St. Paul		70	00
Total	15	773	08

ENG'R. REPORT 13,803.00 DEPRECIATION—ENGINE 86% = 11,870.58
TENDER 14% = 1,932.42

DEPRECIATION BASED ON { Original Cost
Receivership Value } PLUS IMPROVEMENTS NP 24L

Cost or Value	DEPRECIATION			Cost or Value	DEPRECIATION		
	R+E	-ENGINE	Amount		R+E	-TENDER	Amount
E.R. O.C.			13,568.85	E.R. O.C.			2,208.23
846-11			6.20	O.S. 5079-21			1.74
5158-23			212.58	5033-45			<2209.97
O.S. 879-16			67.60				
" Adj. 925-16			1.43				
5062-23			2086.39				
5122-24			173.25				
5111-23			1.59				
5098-24			115.96				
5102-27			8.73				
5092-29			4.84				
5007-30			64.92				
5003-30			2.05				
5122-36			<16307.43>				

ADDITION AND BETTERMENT			
A. F. E. No.	Date	Description	
846-11	5-15	Safety appliances	6 20
879-16	4-29	Air brakes	67 60
925-16	1917	Back stop on pilot steps	1 43
5062-23	2-24-25	BL-44 cylinders changed BL-91 Superheater	2 086 39
5122-24	2-24-25	AL-13 Air Reservoir	173 25
5158-23	Pres	AL-61 Rec. Handlight	212 58
5079-21	7-23	Waterman's Ink	1 74
5111-23	2-25	AL-169 Handhold on Land Home Adj. for 879-16	1 59
5098-24	2-25	AL-48 Emergency Straps	115 96
5102-27	7-28	AL-124, Down pipe Fittings	8 73
5092-29	7-28	AL-183, Windshields	4 84
5007-30	11-30	AL-74 PNEUMATIC FIRE DOOR	64 92
5003-30	6-30	AL-204, SIGNAL KIT	2 05
5122-36	2-27-37	ENGINE PORTION DISM.	<16307.43>
5033-45	6-45	TENDER " "	<2209.97>

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