



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER-P-1911, GR-3. VAL. GR-L-48.

255

Northern Pacific Ry, Co's Class **P** I. C. C. Class **4-6-0** Service **Passenger** Number

LOCOMOTIVE DATA

Original Number **205**
Renumbered from **205** to **255** Date

Builder **Schenectady Loco. Wks.** Builders No. **4707.**

Date Built, Month **Feb.** Year **1898.**

From whom purchased **Schenectady Loco. Wks.**

Purchased New or Second Hand **New** Date **2-25-98.**

Authority No. Voucher No. Reqn. No.

Receiving Station **St. Paul, Minn.** Date **3-5-98.**

Setting up Shop **Brainerd, Minn.**

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

Flues, No. **332 1/6 + 26** Outside Dia. **2" + 5/8** Length **13'8"**

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

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

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

Height, Front **76"** Back **64"**

Grate Area **30.8 sq. ft.** Oil Burner, Type Size

Combustion Chamber, Length **None**

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

Superheater, Kind **None SCHMIDT**

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

Heating Surface Tubes **1109 2,245 sq. ft.** Flues **497**

Firebox **163 sq. ft.** Arch Tubes **29 sq. ft.**

Superheating **390** Total Equivalent **2387 2,472 sq. ft.**

Cylinders H. P., Dia., **20"** L. P. Dia., **69"** Stroke **26"**

Drivers—Dia. over New Tires

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 ^{**115,000**} ~~**112,000**~~ lbs. **154,200** lbs. Light **136,500** lbs. ^{**136,500**} ~~**132,900**~~ lbs.

Weight of Engine, Working Order ~~**150,000**~~ lbs.

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

TENDER, Type **U-Shape,** Number **3-C-44**

(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 ~~**171,100**~~ lbs. Loaded ~~**243,050**~~ lbs. ^{**174,700**} ^{**246,650**}

APPURTENANCES

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

Main Valve, Kind **Piston** Dia. (If piston) **10"**

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 **20 1/2" x 41"**

Train Signals, Kind **West. Air** Sanders, Kind **Leach & 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 **Tower 6" x 6"** Tender. **Sharon 5" x 5"**

NOTE: Weights based upon assumption that coal is used for fuel.

NOTE: INK FIGURES EFFECTIVE 9-27-24.

FINAL DISPOSITION

By **DISM.** Place Date **9-30-33**

Original Cost F. O. B. Chicago, Ill.	11	885	91
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in		47	91
Miscellaneous, Tools, etc.		42	73
Freight paid from Chicago to St. Paul		69	20
Total	12	045	75

ENG'R. REPORT 13,567.00

DEPRECIATION ENGINE 84 1/2% = 11,430.20
 TENDER 15 3/4% = 2,136.80

DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS

NP255

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description		
846-11	5-15	Safety appliances	7	48
925-16	11-17	Back stop on pilot step		
5064-24	9-17-24	Schmidt Superheater	1	43
5175-23	9-11-24	Wol. Turbo generator replacing 1W.N.	1	455 32
5173-23	8-21-24	13L71 Oil Burner	5	86 08
5208-23	8-21-24	Bl-64 Bone Headings	2	12 58
5064-24	7-29-25	Bl-71 Oil Burner Removed	<	586 08
5119-25	12-25	Bl-13 Air Pressure Switch	1	66 95
5111-23	11-19-24	Bl-163 Handhold on Handline	1	59
879-16	11-17	Strain air Brakes	67	61
		Adj. for 879-16	<	2 97
5098-24	9-24	Bl-48 Eccentric Straps	115	96

DEPRECIATION - ENGINE			DEPRECIATION - TENDER		
R+E	-ENGINE		R+E	-TENDER	
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	10,148.54	E.R.	O.C.	1,897.21
	846-11	7.48	O.B.	5049-33	< 1935.71
	879-16	67.61		5008-35	3850
	" Adj.	< 2.97			
	5158-23	212.58			
	5173-23	586.08			
O.B.	925-16	1.43			
	5064-24	1455.32			
	5175-23	1022.57			
	5064-25	< 586.08			
	5119-25	166.95			
	5111-23	1.59			
	5098-24	115.96			
	5102-27	8.73			
	5092-28	4.84			
	5114-30	64.92			
	5003-30	2.05			
	5049-33	< 13209.99			
	TRF. TO #217	< 67.61			

FINAL DISPOSITION

By	Place	Date		
			Original Cost	
			Receivership Value	
			Total	14,815
			Salvage	
			Accrued Depreciation	
			Amount Charged to Retirements	

5102-27	9-28	Bl-184. Down Pipe Fitting	8	73
5092-28	9-29	Bl-183. Hand Shields	4	84
5114-30	4-31	Bl-74 Pneumatic Fire Door	64	92
5003-30	7-29	Bl-204 SIGNAL KIT	2	07
5049-33	12-30-33	RETIRED ENGINE PORTION	<	13209.99
	7-2-34	TENDER DISM.	<	1935.71
5008-35	9-35	ADJ. TENDER RET.	3	850
		TRANSF. TO # 217	<	67.61