



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-13.  
VAL-GR. L-75.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class **Y-1**I. C. C. Class **2-8-0**Service **Freight** Number **28**

## LOCOMOTIVE DATA

Original Number **28**

Renumbered from \_\_\_\_\_ to \_\_\_\_\_ Date \_\_\_\_\_

Builder **Schenectady Loco. Wks.** Builders No. **5132.**Date Built, Month **Sept.** Year **1899.**From whom purchased **Schenectady Loco. Wks.**Purchased New or Second Hand **New** Date **1899.**

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

Receiving Station **St. Paul, Minn.** Date **10-5-99.**Setting up Shop **Brainerd, Minn.**Boiler Type **Ext. wagon top, rad. stay** O. D. First Ring **72-1/8"**Flues, No. **388** 206 + 32 Outside Dia. **2" + 5 1/2"** Length **242" 13' 1"**Steam Pressure, Maximum **200#** Working **175**Firebox, Type **Narrow** Length **120-3/16"**Width, Top **Fr. 67 1/2" ; Bk. 61 1/2"** Bottom **42"**Height, Front \_\_\_\_\_ 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 **None** **SCHMIDT 1/26/24.**Feedwater Heater, Kind **None** Reheater, Kind **None**

Heating Surface Tubes \_\_\_\_\_ Flues \_\_\_\_\_

Firebox \_\_\_\_\_ Arch Tubes **221**Superheating **468** Total Equivalent **3,079** sq. ft.Cylinders H. P., Dia., **23" 20"** L. P. Dia., **24"** Stroke **34"**Drivers—Dia. over New Tires **55"**Driving Wheel Centers, Kind **Cast Steel** Dia. **48"**Wheels, Leading Truck, Kind **Steel Tired** Dia. **30"**

Wheels, Trailing Truck, Kind \_\_\_\_\_ Dia. \_\_\_\_\_

Wheel Base, Rigid **15' 8"** Total **23' 7"**Weight on Drivers **172,500** ~~171,500~~ lbs. **AFTER 1/24/24** **192,300**Weight of Engine, Working Order **190,600** lbs. Light **171,640** lbs.Tractive Power I. C. C. Formula **36.7**TENDER, Type **U-Shape,** Number **10-66**

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. **5,500** Oil, Gals. \_\_\_\_\_ Coal, Tons **10**Underframe, Kind **Steel** End Sills, Kind **Wood**Wheels, No. **8** Kind **Steel Tired** Dia. **33"**Journals, Size **5" x 9"** Trucks, Kind **Arch Bar**Air Brake Cylinder, Size **10" x 12"** Coal Pusher, Kind **None**Weight, Light **45,000** lbs. Loaded **112,000** lbs.Weight Engine and Tender, Light **212,850** lbs. Loaded **302,600** lbs.APPURTENANCES **216,640** **304,300**Headlights, No. **2** Kind **Pyle - Electric**Main 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, SWA.**Air Pumps, No. **2** Make **Westinghouse** Size **9 1/2"**Air Reservoirs, No. **2** Size **22 1/2" x 51"**Train Signals, Kind **None** Sanders, Kind **Leach E Dble. & 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 **Tower 5" x 5"***note - pencil changes effective 1-26-24*

## FINAL DISPOSITION

By \_\_\_\_\_ Place \_\_\_\_\_ Date \_\_\_\_\_

Original Cost F. O. B. Chicago, Ill.	13 474 45	ENG. REPORT \$15,965.00	DEPRECIATION ENGINE 84% = 13,410.60
Receivership Value			TENDER 16% = 2,554.40
Designing and Engineering	34	DEPRECIATION BASED ON { Original Cost Receivership Value } PLUS IMPROVEMENTS	NP 28
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	( 103 04		
Miscellaneous, Tools, etc.			
Freight paid from Chicago to St. Paul	60 00		
Total	13 637 83		

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Electric headlights	224 76
846-11	5-15	Safety Appliances	7 78
925-16	<del>8-17</del>	Back stop on pilot steps	1 43
5051-23	1-26-24	Simplified, Schmidt Superheater, 2 1/2" K.K. Pump, steel pilot beam	2765 91
5111-23	1-24	AL-167 Handholds on boiler dome	1 59
5114-30	3-31	AL-74 Pneumatic Fire door	64 92
5010-36	4-30-37	AL-177 SPARK ARRESTER	255 68
5007-38	5-19-37	AL-217 ALUMITE LUB. FITTINGS	11 45
5143-37	7-26-39	AL-176 POWER REVERSE	177 99
5000-48	3-23-48	AL-94 WATER GLASS GUARD UNID.	29 62
5092-48	10-14-48	TENDER DISM.	< 2182 05 >
5025-55	7-17-55	ENGINE PORTION DISM.	< 14995 91 >

DEPRECIATION R/E - ENGINE			DEPRECIATION R/E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	11,455.78	E.R.	O.C.	2182.05
	831-09	224.76		5092-48	< 2182.05 >
	846-11	7.78			
O.C.	925-16	1.43			
	5057-23	2765.91			
	5111-23	1.59			
	5114-30	64.92			
	5010-36	255.68			
	5007-38	11.45			
	5143-37	177.99			
	5000-48	29.62			
	5075-55	< 14995.91 >			

FINAL DISPOSITION

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