



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-12.
VAL. GR. L-74.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class **F-1** I. C. C. Class **2-8-0** Service **Freight** Number **81**

LOCOMOTIVE DATA

Original Number **482**
Renumbered from **482** to **81** Date **Aug. 1897.**Builder **Baldwin Loco. Wks.** Builders No. **9529.**Date Built, Month **Oct.** Year **1888.**From whom purchased **Baldwin Loco. Wks.**Purchased New or Second Hand **New** Date **10-12-88.**

Authority No. _____ Voucher No. _____ Reqn. No. _____

Receiving Station **St. Paul, Minn.** Date **10-24-88.**Setting up Shop **Brainerd, Minn.**Boiler Type **Straight top, rad. stay** O. D. First Ring **72"**Flues, No. **271** Outside Dia. **2 1/4"** Length **13'6"**Steam Pressure, Maximum **150#** Working **150#**Firebox, Type **Narrow** Length **121"**Width, Top **62 1/2"** Bottom **42"**Height, Front **63"** Back **59 1/2"**Grate Area **35.5 sq. ft.** Oil Burner, Type _____ Size _____Combustion Chamber, Length **None**Arch Tubes, No. **None** Size _____Superheater, Kind **None**Feedwater Heater, Kind **None** Reheater, Kind **None**

Heating Surface Tubes _____ Flues _____

Firebox _____ Arch Tubes _____

Superheating _____ Total Equivalent **2,321 sq. ft.**Cylinder, A. P., Dia. **22"** L. P., Dia. _____ Stroke **28"**Drivers—Dia. over New Tires **51"**Driving Wheel Centers, Kind **Cast Iron** Dia. **44"**Wheels, Leading Truck, Kind **Steel Tired** Dia. **30"**

Wheels, Trailing Truck, Kind _____ Dia. _____

Wheel Base, Rigid **14'0"** Total **22'3"**Weight on Drivers ~~135,000 lbs.~~ **143,300. AFTER 7/11**Weight of Engine, Working Order **150,000 lbs.** Light **130,400 lbs.**Tractive Power I. C. C. Formula **33.9**TENDER, Type **U-Shape,** Number **8-A-7**

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. **4,000** Oil, Gals. _____ Coal, Tons **10**Underframe, Kind **Wood** End Sills, Kind **Wood**Wheels, No. **8** Kind **Cast Iron** Dia. **33"**Journals, Size **4 1/4" x 8"** Trucks, Kind **Equalized**Air Brake Cylinder, Size **8" x 12"** Coal Pusher, Kind **None**Weight, Light **34,430 lbs.** Loaded **87,770 lbs.**Weight Engine and Tender, Light **164,830 lbs.** Loaded **237,770 lbs.**

APPURTENANCES

Headlights, No. **1** Kind **Pyle - Electric**Main Valve, Kind **Slide** Dia. (If piston) _____Valve Gear, Kind **Stephenson** Driver Brake, Kind **Am. Equal.**Air Brake Equipment, Kind **Westinghouse** Schedule **A-1, S.W.A.**Air Pumps, No. **1** Make **Westinghouse** Size **9 1/2"**Air Reservoirs, No. **2** Size **12" x 144"**Train Signals, Kind **None** Sanders, Kind **Browne**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.
 Receivership Value 8 000 00
 Designing and Engineering
 Inspection during Construction
 Inspection of Material
 Messenger Service
 Setting up and breaking in
 Miscellaneous, Tools, etc.
 Freight paid from _____ to _____
 Total 8 000 00

ENG. REPORT 12,570.00 DEPRECIATION ENGINE 88.5% = 11,124.45
 TENDER 11.5% = 1,445.55

DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS NP 81
 { Receivership Value }

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety Appliances	5 04
925-16	4-26	Back stop on pilot steps	1 43
908-17	10-29	Air Compressor	444 15
5079-21	5-23-21	AL-156 Water Crane Hooks	1 74
5030-26	9-25	Tender portion retired	< - >
5015-29		Retirement adj.	< 921.74 >
5092-28	12-28	AL-182 Hand Shields	4 84
5114-30	5-31	AL 74 Pneumatic Firecoat	64 92
5042-40	5-9-40	ENGINE PORTION DISM.	< 7824 56 >

DEPRECIATION - ENGINE			DEPRECIATION - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	REC.	7080.00	E.R.	REC.	920.00
0.3	845-10	224 18	0.3	5079-21	1 74
	846-11	5 04		5015-29	< 921.74 >
	925-16	1 43			
	908-17	444 15			
	5092-28	4 84			
	5114-30	64 92			
	5042-40	< 7824 56 >			

FINAL DISPOSITION

By _____ Place _____ Date _____

Total Cost based on { Original Cost }
 { Receivership Value }

Salvage _____
 Accrued Depreciation _____
 Amount Charged to Retirements _____