



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-10.
VAL. GR. L-72.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class F-3 I. C. C. Class 2-8-0 Service Freight Number 86

LOCOMOTIVE DATA

Original Number M. U. 156 to N. P. 128 July 1898
 Renumbered from N. P. 128 to N. P. 104 Date Aug. 1899
 " " N. P. 104 " N. P. 86 " Aug. 1900
 Builder Rome Loco. Wks. Builders No. 499
 Date Built, Month _____ Year 1889
 From whom purchased Montana Union R. R.
 Purchased New or Second Hand Second Hand Date 7-1-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station Butte, Mont. Date 7-1-1898
 Setting up Shop _____
 Boiler Type Straight Top Crown Bar O. D. First Ring 60"
 Flues, No. 243 Outside Dia. 2" Length 13'7"
 Steam Pressure, Maximum 150# Working 150#
 Firebox, Type Narrow Length 117"
 Width, Top 52" Bottom 32 1/2"
 Height, Front 62" Back 58"
 Grate Area 26.6 sq. ft. Oil Burner, Type _____ Size _____
 Combustion Chamber, Length None
 Arch Tubes, No. _____ Size _____
 Superheater, Kind None
 Feedwater Heater, Kind None Reheater, Kind _____
 Heating Surface Tubes _____ Flues _____
 Firebox _____ Arch Tubes _____
 Superheating _____ Total Equivalent 1,868 sq. ft.
 Cylinders H. P., Dia., 20" L. P. Dia., _____ Stroke 24"
 Drivers—Dia. over New Tires 51"
 Driving Wheel Centers, Kind Cast Iron Dia. 44"
 Wheels, Leading Truck, Kind Cast Iron Dia. 28"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 15'7" Total 23'2"

Weight on Drivers 113,000 lbs.
 Weight of Engine, Working Order 125,000 lbs. Light 109,930 lbs.
 Tractive Power I. C. C. Formula 24.0
 TENDER, Type U-Shape Number 37-A-6
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 3,600 Oil, Gals. _____ Coal, Tons 9
 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 27,430 lbs. Loaded 75,430 lbs.
 Weight Engine and Tender, Light 137,360 lbs. Loaded 200,430 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, SWA
 Air Pumps, No. 1 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 2 Size 12" x 14"
 Train Signals, Kind None Sanders, Kind NP Dble.
 Stoker, Kind None Power Reverse, Kind _____
 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"

FINAL DISPOSITION

By DISMANTLED Place SO. TACOMA Date 4-1925

Original Cost F. O. B.

Receivership Value **M. U. 1898**

Designing and Engineering

Inspection during Construction

Inspection of Material

Messenger Service

Setting up and breaking in

Miscellaneous, Tools, etc.

Freight paid from _____ to _____

Total **4 651 79**

ENG. REPORT 10,945.00

DEPRECIATION **ENGINE 89% = 9,741.05**
TENDER 11% = 1,203.95

DEPRECIATION BASED ON { Original Cost
Receivership Value } PLUS IMPROVEMENTS

NP 86

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety Appliances	7 40
925-16	4-21	Back stop on pilot stop	1 43
804-18	4-8-19	10 1/2" Air Comp	524 22 <i>order 8</i>
5127-25	4-25	Engine portion retired	< 4884 80 >
5017-27		Retirement adj.	< 524 22 >
5079-23	1-23	Tender portion sold	5 - -
5052-29	10-29	Tender repurchased	511.70 <i>order 3</i>
5000-29	5-29	" retired	< 511.70 >

Cost or Value	DEPRECIATION			Cost or Value	DEPRECIATION		
	R+E	-ENGINE	Amount		R+E	-TENDER	Amount
	E.R.	M.U.	414009		E.R.	M.U.	511.70
		845-10	224.18			5127-25	< 511.70 >
		846-11	7.40				
	O.S.	925-16	1.43				
		804-18	524.22				
		5127-25	< 4373.10 >				
		5017-27	< 524.22 >				

FINAL DISPOSITION

By *Dismantled* Place *St. Jacinta* Date *1925*

Total Cost based on { Original Cost
Receivership Value }

Salvage

Accrued Depreciation

Amount Charged to Retirements