



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P. 1912, GR-9.
VAL. GR. L-71.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class F-4 I. C. C. Class 2-8-0 Service Freight Number 93

LOCOMOTIVE DATA

Original Number MU 152 NP 136 July, 1898.
 Renumbered from NP 136 to NP 111 Date Aug. 1899.
 " " NP 111 " NP 93 " 7-30-1900.
 Builder Grant Locc. Wks. Builders No. 1715.
 Date Built, Month _____ Year 1887.
 From whom purchased Montana Union R.R.
 Purchased New or Second Hand Secondhand Date 3-31-98.
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station Butte, Mont. Date 3-31-98.
 Setting up Shop _____
 Boiler Type Straight top, rad. stay O. D. First Ring 60"
 Flues, No. 270 Outside Dia. 2" Length 12'6"
 Steam Pressure, Maximum 140# Working 140#
 Firebox, Type Narrow Length 115 3/4"
 Width, Top 55 1/4" Bottom 42 1/2"
 Height, Front 59" Back 57"
 Grate Area 34.9 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 2,000 sq. ft.
 Cylinders H. P., Dia., 20" L. P. Dia., _____ Stroke 24"
 Drivers—Dia. over New Tires 50"
 Driving Wheel Centers, Kind Cast Iron Dia. 43"
 Wheels, Leading Truck, Kind Steel Tired Dia. 28"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14'9" Total 22'9"

Weight on Drivers 100,000 lbs.
 Weight of Engine, Working Order 114,000 lbs. Light 99,960 lbs.
 Tractive Power I. C. C. Formula 23.0
 TENDER, Type U-Shape, Number 73-A-2
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 3,800 Oil, Gals. _____ Coal, Tons 9
 Underframe, Kind Wood End Sills, Kind Wood
 Wheels, No. 8 Kind Steel Tired 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 28,570 lbs. Loaded 78,240 lbs.
 Weight Engine and Tender, Light 128,530 lbs. Loaded 192,240 lbs.

APPURTENANCES

Headlights, No. 2 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 144"
 Train Signals, Kind West. Air Sanders, Kind Leach & Dble.
 Stoker, Kind None Power Reverse, Kind None
 Flange Lubricators, Kind 2 NP #2
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Crosby
 Couplers, Kind, Engine Sharon 6" x 6" Tender Sharon 5" x 5"

FINAL DISPOSITION

By DISMANTLED Place BRAINERD Date 12-31-24

Apr 5025-25

Original Cost F. O. B.
 Receivership Value **M. U. 1898** 5 025 01
 Designing and Engineering
 Inspection during Construction
 Inspection of Material
 Messenger Service
 Setting up and breaking in
 Miscellaneous, Tools, etc.
 Freight paid from _____ to _____
 Total 5 025 01

ENG. REPORT 10,486.00

DEPRECIATION **ENGINE 88.7% = 9,227.68**
TENDER 12.7% = 1,258.32

DEPRECIATION BASED ON { Original Cost
 Receivership Value } PLUS IMPROVEMENTS

NP 93

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	M.U.	4,472.01		E.R.	M.U.	603.00
		831-09	224.76			5025-25	< 603.00 >
		846-11	2.68				
	0.3.	925-16	1.43				
		5025-25	< 4650.88 >				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Electric headlights	224 76
846-11	5-15	Safety Appliances	2 68
925-16	1-17	Back stop on pilot steps	1 43
5025-25	12-24	Retired, Eng. & Tend	< 5 253 88 >

Eng. Report

FINAL DISPOSITION

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