



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 92

LOCOMOTIVE DATA

Original Number MU 151 NP 135 July, 1898
 Renumbered from NP 135 to " 110 Date Aug. 1899
 " NP 110 " " 92 " July 31, 1900
 Builder Grant Loco. Wks. Builders No. 1714
 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 lbs.
 Firebox, Type Narrow Length 115 1/2"
 Width, Top 55 1/2" 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., 24" 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-5
 (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 Cast Iron Dia. 33"
 Journals, Size 4 1/2" 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 1- Pyle-Elect. 1- Oil
 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 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 5" x 5"

FINAL DISPOSITION

By M. G. S. Place Date 8- -23

Original Cost F. O. B.			
Receivership Value	M. U. 1898	5	387 68
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	387 68

ENG. REPORT 10,486.00 ^{DEPRECIATION} **ENGINE 88. % = 9,227.68**
TENDER 12. % = 1,258.32
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP92**

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	M.U.	4741.16		E.R.	M.U.	646.52
		845-10	224.18			5164-23	<646.52>
		846-11	2.69				
		5164-23	<4968.03>				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety Appliances	2 69
5164-23	1923	Retired, Eng portion	<5614.55>
5062-27	9-6-27	Tender portion retired	< - >
	8-23		

Eng. Report

FINAL DISPOSITION

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