



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1412, 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 **94**

## LOCOMOTIVE DATA

Original Number **MU 153** **137** **8-1898.**  
 Renumbered from **NP 137** to **112** Date **9-1899.**  
 " " **NP 112** " **94** " **12-7-1900.**  
 Builder **Grant Loco. Wks.** Builders No. **1716.**  
 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 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., **30"** 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 **23.2**  
 TENDER, Type **U-Shape,** Number **40-A-2**  
 (Tender shown is one purchased with this locomotive)  
 Capacity, Water, Gals. **3,500** Oil, Gals. \_\_\_\_\_ Coal, Tons **9**  
 Underframe, Kind **Wood** End Sills, Kind **Wood**  
 Wheels, No. **8** Kind **Cast Iron** Dia. **33"**  
 Journals, Size **4" x 7"** 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 **Browne**  
 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 6" x 6"**

## FINAL DISPOSITION

By **DISMANTLED** Place **BRAINERD** Date **11-26**

Original Cost F. O. B. \_\_\_\_\_  
 Receivership Value M. U. 1898 4 632 03  
 Designing and Engineering \_\_\_\_\_  
 Inspection during Construction \_\_\_\_\_  
 Inspection of Material \_\_\_\_\_  
 Messenger Service \_\_\_\_\_  
 Setting up and breaking in \_\_\_\_\_  
 Miscellaneous, Tools, etc. \_\_\_\_\_  
 Freight paid from \_\_\_\_\_ to \_\_\_\_\_  
 Total 4 632 03

**ENG. REPORT 10,486.00** DEPRECIATION **ENGINE 88% = 9,227.68**  
**TENDER 12% = 1,258.32**

DEPRECIATION BASED ON { Original Cost  
 Receivership Value } PLUS IMPROVEMENTS **NP 94**

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	M.U.	4076.19		E.R.	M.U.	555.84
		845-10	224.18			5134-26	< 855.64 >
		846-11	2.68				
	O.B.	5063-20	1.74				
		5134-26	(4304.79)				

**ADDITION AND BETTERMENT**

A. F. E. No.	Date	Description	
845-10	7-11	Electric headlights	224 18
846-11	5-15	Safety Appliances	2 68
5063-20	6- -22	Al-169 Hand Holds on Sand Dromes	1 74
5084-20	9-20	Tender portion retired	< - >
5134-26	12-26	Eng. portion retired	< 4860.63 >

*Eng. Report*  
*Order 3*

**FINAL DISPOSITION**

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