



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-10.  
VAL. GR. L-7Z.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class F-3 I. C. C. Class 2-8-0 Service Freight Number 87

## LOCOMOTIVE DATA

Original Number M. U. 157 to N. P. 129 July 1898  
 Renumbered from N. P. 129 to N. P. 105 Date Aug. 1899  
 " " N. P. 105 " N. P. 87 " Dec. 7, 1900  
 Builder Rome Loco. Wks. Builders No. 500  
 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 lbs. Working 150 lbs.  
 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-1  
 (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 3prs. CI, 1pr. ST Dia. 33"  
 Journals, Size 4 1/4" x 8" Trucks, Kind Equalized  
 Air Brake Cylinder, Size 10" 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 1/8"  
 Air Reservoirs, No. 2 Size 12" x 14"  
 Train Signals, Kind None Sanders, Kind Browne  
 Stoker, Kind None Power Reverse, Kind \_\_\_\_\_  
 Flange Lubricators, Kind 2 NP #2  
 Pneumatic Fire Doors, Kind None  
 Automatic Bell Ringers, Kind Crosby  
 Couplers, Kind, Engine Sharon 6" x 6" Tender Tower 5" x 5"

## FINAL DISPOSITION

By RETIRED Place \_\_\_\_\_ Date 2- -28  
Reinstated 3- -28  
DISMANTLED LIVINGSTON 2-6-33 L-8/32

Original Cost F. O. B.			
Receivership Value	M. U. 1898	3	300.00
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in			
Miscellaneous, Tools, etc.			
Freight paid from _____ to _____			
Total		3	300.00

**ENG. REPORT 10,945.00**      DEPRECIATION **ENGINE 89% = 9,741.05**  
**TENDER 11% = 1,203.95**

DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS **NP87**  
 { Receivership Value }

**ADDITION AND BETTERMENT**

A. F. E. No.	Date	Description	Rate	Period	Amount
845-10	7-11	Electric headlights	224	18	
846-11	5-15	Safety Appliances	7	41	
925-16	<del>6-11</del>	Back stop on pilot steps	1	43	
804-18	11-16-18	10 1/2" C.C. Air Comp	524	22	Order 3
	2-28	RETIRED	<	>	
	3-28	Reinstated			
5007-30	2-31	BL 74 PNEUMATIC FIRE DOOR	64	92	
5047-32	2-33	RETIRED Eng. Report	<	>	3759.16
5081-39	1-16-40	TENDER DISM.	<	>	363.00

Cost or Value	-DEPRECIATION-			Cost or Value	-DEPRECIATION-		
	R+E	-ENGINE	Amount		R+E	-TENDER	Amount
	E.R.	M.U.	2937.00		E.R.	M.U.	363.00
		845-10	224.18			5081-39	<363.00>
		846-11	7.41				
	0-3	925-16	1.43				
		804-18	524.22				
		5007-30	64.92				
		5047-32	<3759.16>				

**FINAL DISPOSITION**

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