



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1911, GR-5.
VAL. GR. L-50.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class F-2 I. C. C. Class 4-6-0 Service Passenger Number 242

LOCOMOTIVE DATA

Original Number 242
 Renumbered from _____ to _____ Date _____
 Builder Schenectady Loco. Wks. Builders No. 5926.
 Date Built, Month May Year 1901.
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 5-11-01.
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 5-20-01.
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wa on top, rad. stay O. D. First Ring 62 1/2"
 Flues, No. 312 Outside Dia. 2" Length 14'0"
 Steam Pressure, Maximum 200# Working 200#
 Firebox, Type Narrow Length 108-3/16"
 Width, Top 61" Bottom 41"
 Height, Front 76 1/2" Back 64 1/2"
 Grate Area 30.8 sq. ft. Oil Burner, Type _____ Size _____
 Combustion Chamber, Length None
 Arch Tubes, No. 4 Size 3"
 Superheater, Kind None - SCHMIDT
 Feedwater Heater, Kind None Reheater, Kind None
 Heating Surface Tubes 2,272 sq. ft. Flues _____
 Firebox 171 sq. ft. Arch Tubes 29 sq. ft.
 Superheating _____ Total Equivalent 2,472 sq. ft.
 Cylinders H. P., Dia. 20" L. P. Di 3 1/2" Stroke 26"
 Drivers—Dia. over New Tires 69"
 Driving Wheel Centers, Kind Cast Steel Dia. 62"
 Wheels, Leading Truck, Kind Steel Tired Dia. 33"
 Wheels, Trailing Truck, Kind _____ Dia. _____
 Wheel Base, Rigid 14'10" Total 25'10"

Weight on Drivers 115,900 lbs.
 Weight of Engine, Working Order 154,900 lbs. Light 137,100 lbs.
 Tractive Power I. C. C. Formula 25.6
 TENDER, Type U-Shape, Number 3-C-16
 (Tender shown is one purchased with this locomotive)
 Capacity, Water, Gals. 4,350 Oil, Gals. _____ Coal, Tons 9
 Underframe, Kind Steel End Sills, Kind Wood
 Wheels, No. 8 Kind Cast Iron Dia. 33"
 Journals, Size 4 1/2" x 8" Trucks, Kind Arch Bar
 Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None
 Weight, Light 38,200 lbs. Loaded 92,450 lbs.
 Weight Engine and Tender, Light 175,300 lbs. Loaded 247,350 lbs.

APPURTENANCES

Headlights, No. 1 Kind Pyle - Electric
 Main Valve, Kind Piston Dia. (If piston) 10"
 Valve Gear, Kind Stephenson Driver Brake, Kind Amer. Equaliz.
 Air Brake Equipment, Kind Westinghouse Schedule A-1, PL-1012
 Air Pumps, No. 2 Make Westinghouse Size 9 1/2"
 Air Reservoirs, No. 2 Size 20 1/2" x 41"
 Train Signals, Kind West. Air Sanders, Kind Leach E Dole. & Hand
 Stoker, Kind None Power Reverse, Kind None
 Flange Lubricators, Kind None
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Gollmar
 Couplers, Kind, Engine Tower 6" x 6" Tender Sharon 5" x 5"

NOTE: INK FIGURES EFFECTIVE 12-1928.

FINAL DISPOSITION

By Retired Place _____ Date July 1936

Original Cost F. O. B. - Chicago, Ill.	13	814	58
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in		116	82
Miscellaneous, Tools, etc.			
Freight paid from Chicago to St. Paul		70	00
Total	14	001	40

ENG'R. REPORT 13,666.00 DEPRECIATION **ENGINE 8 1/2 % = 11,684.43**
TENDER 14 1/2 % = 1,981.57
 DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP242**

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Cost or Value
846-11	5-15	Safety appliances	6 20
879-16	4-28	Air brakes	67 61
925-16	5-17	Back stop on pilot step	1 43
5158-22	8-25	BL 64 Beech Heater	212 58
5156-25	8-25	Tender portion retired	-
5137-24	2-19-25	AL-165 CAB HEATER	26 69
5111-23	4-26	AL-169 Hand holder on sand line	1 59
5005-25	3-27	AL-184 Smoke Box Blower port Fittings	8 01
5079-21	3-24	Water Crane Hook Adj for 879-16	1 74 < 2 97
5040-26	12-28	AL-91 Superheater	1 511 18
5098-24	12-28	BL-48 Eccentric straps	115 96

DEPRECIATION - ENGINE			DEPRECIATION - TENDER		
R+E	-ENGINE		R+E	-TENDER	
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	12,041.20	E.R.	O.C.	1,960.20
		71,971.20			2,030.20
		846-11	0.3	5079-21	1.74
		5158-23	1	5066-28	< 1,961.94
		0.3			
		879-16			
		" Adj.			
		925-16			
		5137-24			
		5111-23			
		5005-25			
		5040-26			
		5098-24			
		5092-28			
		5114-30			
		5003-30			
		5055-36			

FINAL DISPOSITION

By	Place	Date	Amount
			< 1,961.94
			4 84
			64 92
			2 05
			< 14,061.29

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