



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-13.
VAL. GR. L-75

Form 7310 4200 RP

Northern Pacific Ry. Co's Class Y-1 I. C. C. Class 2-8-0 Service Freight Number 22

LOCOMOTIVE DATA

Original Number 22

Renumbered from _____ to _____ Date _____

Builder Schenectady Loco. Wks. Builders No. 5126.

Date Built, Month Sept. Year 1899.

From whom purchased Schenectady Loco. Wks.

Purchased New or Second Hand New Date 1899.

Authority No. _____ Voucher No. _____ Reqn. No. _____

Receiving Station St. Paul, Minn. Date 9-22-99.

Setting up Shop Brainerd, Minn.

Boiler Type Ext. wagon to, rad. stay O. D. First Ring 72-1/8"

Flues, No. 388 266+32 Outside Dia. 2" + 5/16" Length 142" 13'1"

Steam Pressure, Maximum 200# Working 175 #

Firebox, Type Narrow Length 120-3/16"

Width, Top Fr. 67 1/2" Bk. 61 1/2" Bottom 42"

Height, Front 77" Back 73 1/2"

Grate Area 35 sq. ft. Oil Burner, Type _____ Size _____

Combustion Chamber, Length None

Arch Tubes, No. 2 Size 3"

Superheater, Kind None SCHMIDT 5/1922

Feedwater Heater, Kind None Reheater, Kind None

Heating Surface Tubes _____ Flues _____

Firebox _____ Arch Tubes 2921

Superheating 468 Total Equivalent 3079 sq. ft.

Cylinders H. P., Dia., 23" 20" L. P. Dia., 20" Stroke 34"

Drivers—Dia. over New Tires 55"

Driving Wheel Centers, Kind Cast Steel Dia. 48"

Wheels, Leading Truck, Kind Steel Tired Dia. 30"

Wheels, Trailing Truck, Kind _____ Dia. _____

Wheel Base, Rigid 15'6" Total 23'7"

Weight on Drivers 172500 ~~172,500~~ lbs. AFTER 5/1922 192,300

Weight of Engine, Working Order 190,600 lbs. Light 171,640 lbs.

Tractive Power I. C. C. Formula 36.7

TENDER, Type U-Shape, Number 10-6-10

(Tender shown is one purchased with this locomotive)

Capacity, Water, Gals. 5,500 Oil, Gals. _____ Coal, Tons 10

Underframe, Kind Steel End Sills, Kind Wood

Wheels, No. 8 Kind Steel Tired Dia. 33"

Journals, Size 5" x 9" Trucks, Kind Arch Bar

Air Brake Cylinder, Size 10" x 12" Coal Pusher, Kind None

Weight, Light 45,000 lbs. Loaded 112,000 lbs.

Weight Engine and Tender, Light 212,850 lbs. Loaded 304,300 lbs.

APPURTENANCES 216,640 304,300

Headlights, No. 2 Kind Pyle - Electric

Main Valve, Kind Piston & Slide Dia. (if piston) 12"

Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal.

Air Brake Equipment, Kind Westinghouse Schedule A-1, SWA.

Air Pumps, No. 2 Make Westinghouse Size 9 1/2"

Air Reservoirs, No. 2 Size 22 1/2" x 51"

Train Signals, Kind None Sanders, Kind Leach D-2 Dble. & Hand

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"

note: pencil changes effective 5-1922.

FINAL DISPOSITION

By DISM. Place B&P Date 10-22-46

Original Cost F. O. B. **Chicago, Ill.** 13 482 43
 Receivership Value
 Designing and Engineering
 Inspection during Construction 34
 Inspection of Material
 Messenger Service
 Setting up and breaking in (103 04
 Miscellaneous, Tools, etc. (
 Freight paid from **Chicago to St. Paul** 60 00
 Total 13 645 81

ENG. REPORT #15,965.00 DEPRECIATION ENGINE 84% = 13,410.60
 TENDER 16% = 2,554.40

DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS
 { Receivership Value } **NP 22**

			DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
			Rate	Period	Amount	Rate	Period	Amount
Cost or Value								
E.R. O.C.					11 462 48	E.R. O.C.		2 183 33
					846-11 7 78	O.C. 5079-21		1 74
					812-12 229 75	5000-46		(2 185 07)
					O.3 925-10 1 43			
					5063-20 1 74			
					5029-20 3737 85			
					5076-25 34 09			
					5007-30 64 92			
					5034-26 89 12			
					5010-36 255 67			
					5007-38 11 45			
					5014-37 179 08			
					5062-46 (16 075 34)			

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
846-11	5-15	Safety Appliances	9 78
812-12	1-13	Electric hdts.	229 73
925-16	3-17	Back stop on pilot step	1 43
5063-20	5-22	AL-104 Hand Holds on Sand Doors	1 74
5029-20	5-22	BL44-Cylinders changed AL91-Superheater appld.	3737 85
5079-21	2-24	Water crane hook	1 74
5076-25	7-31-25	AL-165 CAB HEATER	34 09
5007-30	3-31	BL-74 PNEUMATIC FIRE DOOR	64 92
5034-26	6-25-36	AL-206 BLOWOFF COCK MUFFLER	89 12
5010-36	6-25-36	BL-177 SPARK ARRESTER	255 67
5007-38	4-29-38	AL-217 ALUMITE LUB FITTINGS	11 45
5014-37	1-14-38	AL-176 POWER REVERSE	179 08
5000-46	2-1-46	TENDER DISMANTLED	(2 185 07)
5062-46	10-22-46	ENGINE PORTION DDM.	(16 075 34)

FINAL DISPOSITION

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

Eng. Report
Order 3

15540.02
15679.14
15834.81
15896.26
16075.34