



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P. 112, GR-13.
VAL. GR. L-75.

Form 7310 4200 101

21

Northern Pacific Ry. Co's Class Y-1 I. C. C. Class 2-8-0 Service Freight Number 21

LOCOMOTIVE DATA

Original Number 21
 Renumbered from _____ to _____ Date _____
 Builder Schenectady Loco. Wks. Builders No. 5472.
 Date Built, Month Aug. Year 1900.
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 1900.
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 8-23-1900.
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. wag. top, rad. stay O. D. First Ring 72-1/8"
 Flues, No. 388 Outside Dia. 2" Length 14 1/2"
 Steam Pressure, Maximum 200# Working 200#
 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 _____
 Arch Tubes, No. 2 Size 3"
 Superheater, Kind None SCHMIDT. 6/1922
 Feedwater Heater, Kind None Reheater, Kind None
 Heating Surface Tubes _____ Flues _____
 Firebox _____ Arch Tubes _____
 Superheating 468 Total Equivalent 3,079 sq. ft.
 Cylinders H. P., Dia., 23" L. P. Dia., 34" 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 15'8" Total 23'7"

Weight on Drivers 172,500 lbs. AFTER 9/122
 Weight of Engine, Working Order 190,600 lbs. Light 171,640
 Tractive Power I. C. C. Formula 43.6
 TENDER, Type U-Shape, Number 10-0-17

(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 3 pr. R.S. 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 302,600 lbs.

APPURTENANCES

Headlights, No. 1 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 E Dble. & 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 Sharon 6" x 6" Tender Sharon 6" x 6"

note: pencil changes effective 6-19-22.

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. Chicago, Ill.	18	453	78
Receivership Value			
Designing and Engineering			
Inspection during Construction			
Inspection of Material			
Messenger Service			
Setting up and breaking in	(90	90
Miscellaneous, Tools, etc.	(
Freight paid from Chicago to St. Paul		60	00
Total	18	604	68

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 } NP21

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Elec. P'lts.	224 76
846-11	5-15	Safety Appliances	7 78
925-16	8-18	Back stop on pilot stop	1 43
5079-21	9-28-24	Water Crane hook on tender	1 75
5063-20	6- -22	AL-169 Hand Holds on Sand Pumps	1 74
5029-20	6-22	BL44-Cyl. changed	3 737 84
		AL91-Superheater appld	
5141-25	11-25	AL-165 E.H. Heater	28 59
5024-29	9-30	BL74. Firedoor Changed	85 06
5007-38	4-1-38	AL-217. ALEMITE LUG FITTINGS	11 45
5007-40	9-25-40	AL-176. POWER REVERSE	188 00
5000-46	2-1-46	TENDER DISMANTLED	< 2 978 50 >
5016-46	10-3-46	BL-177. SPARK ARRESTER	251 82
5094-48	9-14-48	BL-94. WATER GLASS GUARD CASE	32 92
5047-59	9-3-59	ENG. DISMANTLED	20 199 32

Eng. Report

Under 3

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
E.R.	O.C.	15 627 93	E.R.	O.C.	2 976 75
	831-09	224 76	O.S.	5079-21	1 75
	846-11	7 78		5000-46	< 2 978 50 >
O.S.	925-16	1 43			
	5063-20	1 74			
	5029-20	3 737 84			
	5141-25	28 59			
	5024-29	85 06			
	5007-38	11 45			
	5007-40	188 00			
	5016-46	251 82			
	5094-48	32 92			
	5047-59	20 199 32			
	5047-59	20 199 32			

FINAL DISPOSITION

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