



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

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

Form 7310 4200

21

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

LOCOMOTIVE DATA

Original Number 24
 Renumbered from _____ to _____ Date _____
 Builder Schenectady Loco. Wks. Builders No. 5128.
 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 top, rad. stay O. D. First Ring 72-1/8"
 Flues, No. 388 Outside Dia. 2" + 5/8" Length 142-1/2"
 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 7/24
 Feedwater Heater, Kind None Reheater, Kind None
 Heating Surface Tubes _____ Flues _____
 Firebox _____ Arch Tubes 2021
 Superheating 468 Total Equivalent 3079 sq. ft.
 Cylinders H. P., Dia., 25" 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' 8" Total 23' 7"

Weight on Drivers 172,500. AFTER 3/21/24
172,500 lbs. 142,200 171,640
 Weight of Engine, Working Order 190,629 lbs. Light 167,090 lbs.
 Tractive Power I. C. C. Formula 436 36.7
 TENDER, Type U-Shape, Number 10-C-5
 (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 prs. S. I. 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 212,350 lbs. Loaded 302,600 lbs.
216,640 304,200

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 # Dble. & Hand
 Stoker, Kind None Power Reverse, Kind None
 Flange Lubricators, Kind 2 NP #2
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Gollmar
 Couplers, Kind, Engine Tower 6" x 6" Tender Sharon 5" x 7"

note: pencil changes effective 3-21-24.

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. **Chicago, Ill.** 13 512 04
 Receivership Value
 Designing and Engineering 34
 Inspection during Construction
 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 13 675 42

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 24**

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Elec. hdltts.	224 76
846-11	5-15	Safety Appliances	7 78
925-16	1-18	Back stop on pilot step	1 43
5079-21	5-18-22	Water Crane Hook on Tender	174
5070-22	3-31-24	Remodeled	2493 44
5111-23	5-19-24	AL-169. Handholds on load beam	1 59
5027-31	3-31	TENDER PORTION RETIRED	2189 81
5002-31	3-31	PNEU. FIRE DOOR	65 96
5007-38	6-8-37	AL-217. ALUMITE LUB. FITTINGS	11 45
5046-39	7-23-40	AL-177. SPARK ARRESTER	284 08
5055-39	"	AL-176. POWER REVERSE	177 99
5000-48	7-10-48	OL-94. WATER GLASS GUARD OVER	28 62
5145-56	10-10-56	ENG. SOLD AS SCRAP TO PAPER CALUMETSON & CO.	<14784 45>

Cost or Value *	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER.		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	11487 35		E.R.	O.C.	2188 07
			831-09 224 76		O.S.	5079-21	174
			846-11 7 78			5027-31	<2189 81>
	O.S.	925-16	1 43				
			5070-22 2493 44				
			5111-23 1 59				
			5002-31 65 96				
			5007-38 11 45				
			5046-39 284 08				
			5055-39 177 99				
			5000-48 28 62				
			5145-56 <14784 45>				

FINAL DISPOSITION

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