



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-1912, GR-18.
VAL. GR. L-77.

Form 7310 4200 RP

Northern Pacific Ry. Co's Class Y I. C. C. Class 2-3-0 Service Switch Number 32

LOCOMOTIVE DATA

Original Number 32
 Renumbered from _____ to _____ Date _____
 " " " " " "
 Builder Schenectady Loco. Wks. Builders No. 4902
 Date Built, Month Nov. Year 1898
 From whom purchased Schenectady Loco. Wks.
 Purchased New or Second Hand New Date 11-7-1898
 Authority No. _____ Voucher No. _____ Reqn. No. _____
 Receiving Station St. Paul, Minn. Date 11-16-1898
 Setting up Shop Brainerd, Minn.
 Boiler Type Ext. Wagon, top, rad. stay O. D. First Ring 72 1/2"
 Flues, No. 206 & 32 Outside Dia. 2" & 5 1/2" Length 12' 9"
 Steam Pressure, Maximum 200# Working 175#
 Firebox, Type Narrow Length 120-3/16"
 Width, Top Wt. F. 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 Schmidt
 Feedwater Heater, Kind None Reheater, Kind _____
 Heating Surface Tubes 1,360 sq. ft. Flues 583 sq. ft.
 Firebox 203 sq. ft. Arch Tubes 15 sq. ft.
 Superheating 458 sq. ft. Total Equivalent 2,863 sq. ft.
 Cylinders H. P., Dia., 20" L. P. Dia., _____ 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 14' 8" Total 23' 3"

Weight on Drivers 173,300 lbs.
 Weight of Engine, Working Order 191,000 lbs. Light 170,660 lbs.
 Tractive Power I. C. C. Formula 36 7/8
 TENDER, Type U-Shape Number 9-C-1
 (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 215,660 lbs. Loaded 303,000 lbs.

APPURTENANCES

Headlights, No. 2 Kind Pyle - Electric
 Main Valve, Kind Piston 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. 3 Size 2-22 1/2" x 51" & 1-12" x 14"
 Train Signals, Kind None Sanders, Kind NP Dble.
 Stoker, Kind None Power Reverse, Kind _____
 Flange Lubricators, Kind Non
 Pneumatic Fire Doors, Kind None
 Automatic Bell Ringers, Kind Gollmar
 Couplers, Kind, Engine Sharon 6" x 6" Tender Tower 5" x 5"

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. Chicago, Ill.	13 251 97
Receivership Value	
Designing and Engineering	
Inspection during Construction	
Inspection of Material	
Messenger Service	
Setting up and breaking in	(105 51
Miscellaneous, Tools, etc.	(
Freight paid from Chicago to St. Paul	84 24
Total	13 441 72

ENG. REPORT # 17,277.00 DEPRECIATION ENGINE 85.041% = 14,692.52
 TENDER 14.959% = 2,584.48

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

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	11 237 28		E.R.	O.C.	2 204 44
			831-09 224 76				5029-31 (2 204 44)
			846-11 8 30				
	O.3.	5062-24	111 31				
	I	5111-23	1 59				
	E.R.	844-16	3384 53				
	O.3.	5114-30	64 92				
		5029-37	327 62				
		5007-38	11 45				
		5027-41	187 36				
		5007-40	188 00				
		5073-46	(15 747 14)				

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
831-09	1-10	Electric headligh. s	224 76
846-11	5-15	Safety Appliances	8 30
5062-24	11-13-24	BL-72 P. 1st Beam changed	111 31
5111-23	11-13-24	AL-107 HANDHOLD ON SAND POME	1 59
849-16	2-17	remodeled	3 384 55
5029-31	4-31	TENDER PORTION RETIRED	2 204 44
5114-30	3-31	AL-74 Pneumatic Fire door	64 92
5029-37	1-12-38	BL-177 SPARK ARRESTER	327 62
5007-38	5-19-37	AL-217 ALUMITE LMB. FITTING	11 45
5027-41	1-31-41	BL-6 AIR PUMP CHO'D.	187 36
5007-40	"	AL-176 POWER REVERSE	188 00
5073-46	4-18-47	ENGINE PORTION DISM.	(15 747 14)

FINAL DISPOSITION

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