



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

ER. P-112, GR-13.
VAL. GR. L-15.

Northern Pacific Ry. Co's Class Y-1 I. C. C. Class 2-8-0 Service Freight Number 20

LOCOMOTIVE DATA

Original Number 20
 Renumbered from _____ to _____ Date _____
 Builder Schenectady Loco.Wks. Builders No. 5471.
 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 8-17-1900.
 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" + 5/16" Length 14'2"
 Steam Pressure, Maximum 200# Working 175
 Firebox, Type Narrow Length 120-3/16"
 Width, Top Fr. 67 1/4"; 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 7/4 1/2.
 Feedwater Heater, Kind None Reheater, Kind None
 Heating Surface Tubes _____ Flues _____
 Firebox _____ Arch Tubes 20x1
 Superheating 468 Total Equivalent 3,079 sq.ft.
 Cylinders H. P., Dia., 22" 20" 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 ~~171,500~~ AFTER 7/4/13.
 Weight of Engine, Working Order 190,600 lbs. Light 167,950 lbs.
 Tractive Power I. C. C. Formula 43.5 36.7
 TENDER, Type U-Shape, Number 10-6-13
 (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 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 & Dole. & 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 5"

note: pencil changes effective 7-14-23

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. **Chicago, Ill.** 18 461 59
 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 St. Paul** 60 00
 Total 18 612 49

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

DEPRECIATION BASED ON { Original Cost } PLUS IMPROVEMENTS **NP20**
 { Receivership Value }

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	
831-09	1-10	Elec. hdts.	224 76
846-11	5-15	Safety Appliances	7 79
5063-20	7-23	Al-169 Hand Holds on Sand Pumps	1 74
5070-22	7-14-23	Remodeled	2493 43
5002-31	6-16-31	PNEU. FIRE DOOR	65 96
5007-38	6-8-37	AL-217. ALUMITE LUB FITTINGS	11 45
5055-39	6-5-40	AL-176. POWER REVERSE	177.99
5000-48	6-25-48	AL-79. WATER GLASS GUARD (492)	28 62
5071-48	12-1-48	TENDER DISM.	<297800>
5058-53	5-24-53	ENGINE DISM	<1864673>

Equip. Report

Index 3

DEPRECIATION R+E - ENGINE			DEPRECIATION R+E - TENDER		
Rate	Period	Amount	Rate	Period	Amount
ER.	O.C.	1563444	ER.	O.C.	297800
	831-09	224 76		5071-48	<297800>
	846-11	7 79			
O.3	5063-20	1 74			
	5070-22	2493 43			
	5002-31	65 96			
	5007-38	11 45			
	5055-39	177.99			
	5000-48	28 62			
	5058-53	<1864673>			

1242817
18629.62
18617.91
18626.23

FINAL DISPOSITION

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