STEAM LOCOMOTIVES. ACCOUNT NO. 51. ER.P-1912, GR-12. VAL.GR.L-74. Form 7310 4200 RP

Northern Pacific Ry. Co's Class F-1 I. C. C. Class 2-8-0 Service Freight Number 78

LOCOMOTIVE DATA

Original Number 479
Renumbered from 479 to 78 Date
" " " "
Builder Baldwin Loco. Wks. Builders No. 9520.
Date Built, Month Oct. Year 1888.
From whom purchased Baldwin Loco. Wks.
Purchased New or Second Hand New Date 10-11-88.
Authority No. Voucher No. Reqn. No.
Receiving Station St. Paul, Minn. Date 10-23-88.
Setting up Shop Brainerd, Minn.
Boiler Type Straight top, rad. stay O. D. First Ring 72"
Flues, No. 271 Outside Dia. 2¼" Length 13'6"
Steam Pressure, Maximum 150# Working 150#
Firebox, Type Narrow Length 121"
Width, Top 62⅛" Bottom 42"
Height, Front 63" Back 59⅛"
Grate Area 35.3 sq.ft. Oil Burner, Type Size
Combustion Chamber, Length None
Arch Tubes, No. None Size
Superheater, Kind None
Feedwater Heater, Kind None Reheater, Kind None
Heating Surface Tubes Flues
Firebox Arch Tubes
Superheating Total Equivalent 2,321 sq.ft.
Cylinders H. P., Dia., 22" L. P. Dia., Stroke 28"
Drivers—Dia. over New Tires 51"
Driving Wheel Centers, Kind Cast Iron Dia. 44"
Wheels, Leading Truck, Kind Steel Tired Dia. 30"
Wheels, Trailing Truck, Kind Dia.
Wheel Base, Rigid 14'0" Total 22'3"

Weight on Drivers ~~135,000~~ lbs. 143300 AFTER 12/1919
Weight of Engine, Working Order 150,000 lbs. Light 130,400 lbs.
Tractive Power I. C. C. Formula 33.8
TENDER, Type U-Shape, Number 8-A-5
(Tender shown is one purchased with this locomotive)
Capacity, Water, Gals. 4,000 Oil, Gals. Coal, Tons 10
Underframe, Kind Wood End Sills, Kind Wood
Wheels, No. 8 Kind Cast Iron Dia. 33"
Journals, Size 4½" x 8" Trucks, Kind Equalized
Air Brake Cylinder, Size 8" x 12" Coal Pusher, Kind None
Weight, Light 34,430 lbs. Loaded 87,770 lbs.
Weight Engine and Tender, Light 164,830 lbs. Loaded 237,770 lbs.

APPURTENANCES
Headlights, No. 2 Kind 1- Pyle-Electric, 1- Oil.
Main Valve, Kind Slide Dia. (If piston)
Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal.
Air Brake Equipment, Kind Westinghouse Schedule A-1, S.W.A.
Air Pumps, No. 1 Make Westinghouse Size 9½"
Air Reservoirs, No. 2 Size 12" x 144"
Train Signals, Kind None Sanders, Kind Browne
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 6" x 6"

FINAL DISPOSITION
By Place Date