



STEAM LOCOMOTIVES. ACCOUNT NO. 51.

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

Northern Pacific Ry. Co's Class Y-1 I. C. C. Class 2-8-0 Service Freight Number 18

LOCOMOTIVE DATA

Original Number 18

Renumbered from _____ to _____ Date _____

Builder Schenectady Loco. Wks. Builders No. 5469.

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 8-13-1900.

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" x 5/16" Length 24'2" 13'

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 9/20/24

Feedwater Heater, Kind None Reheater, Kind None

Heating Surface Tubes _____ Flues _____

Firebox _____ Arch Tubes _____

Superheating _____ Total Equivalent 3,079 sq. ft.

Cylinders H. P., Dia. 23 1/2" 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 15'0" Total 23'7"

Weight on Drivers 172,500 lbs. AFTER 1/24/24

Weight of Engine, Working Order 190,600 lbs. Light 167,850 lbs.

Tractive Power I. C. C. Formula 43.6 36.7

TENDER, Type U-Shape, Number 10-C-11

(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 - Elect.

Main Valve, Kind Slide & Piston Dia. (If piston) 12"

Valve Gear, Kind Stephenson Driver Brake, Kind Am. Equal

Air Brake Equipment, Kind Westinghouse Schedule A-1, S.W.A

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 5" x 5"

note - pencil figures effective 9/24/24

FINAL DISPOSITION

By _____ Place _____ Date _____

Original Cost F. O. B. Chicago, Ill.	18	442	93
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	593	83

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 18

Cost or Value	DEPRECIATION R+E - ENGINE			Cost or Value	DEPRECIATION R+E - TENDER.		
	Rate	Period	Amount		Rate	Period	Amount
	E.R.	O.C.	15618.82		E.R.	O.C.	2976.01
		831-09	224.76		O.S.	5019-21	174
		846-11	779			5033-45	(2,976.75)
	O.S.	925-16	143				
		5067-23	2765.92				
		5148-23	227.5				
		5111-23	159				
		5007-30	64.92				
		5024-29	58.08				
		5083-31	155.62				
		5034-36	58.50				
		5007-38	11.45				
		5007-40	188.00				
		5030-46	(19,179.63)				

13,410.60
18980.18
1999.63
19179.63

ADDITION AND BETTERMENT

A. F. E. No.	Date	Description	Amount
831-09	1-10	Elec. hdts.	224.76
846-11	5-15	Safety Appliances	779
505-16	5-27	Back stop on pilot steps	143
5057-23	8-24-24	Superheater, sil pilot beam, 2 1/2 C.A pump Sampled.	2765.92
5079-21	3-10-22	Water crane hook on tender	174
5148-23	8-24	AL-164 Cab. Heater	227.5
5111-23	8-19-24	AL-169 HANDHOLDS ON SANDPANE	159
5007-30	1-31	AL-74 PNEUMATIC FIRE DOOR	64.92
5083-31	4-32	AL-177 SPARK ARRESTER	155.62
5034-29	5-31	AL-206 BLOWOFF COCK MUFFLER	58.08
5034-36	5-28-26	AL-206 " " " CHOP.	58.50
5007-38	7-31-37	AL-217 ALEMIX LUB. FITTINGS	11.45
5007-40	10-15-40	AL-176 POWER REVERSE	188.00
5033-45	9-6-45	TENDER PORTION DISM.	(2,976.75)
5030-46	6-13-46	ENGINE PORTION DISM.	(19,179.63)

FINAL DISPOSITION

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