

### WHEEL & TRUCK REPORT

Locomotive: 5741 Date: 4-25-17 Employee: R F

	Wheel Thickness (229.75(j))	Flange Height (229.75(h))	Flange Thickness (229.75(i))	Witness Reading (229.73)	Shims Installed (229.73(b))	Pedestal Jaw Wear	Tread Wear (229.75(g))	Side Bearing Clearance (229.69(b))	
L#1	33	0-3	0-0	22	Y	1/4	1/8	RF	1/2
L#2	42	0-1	0-0	32	NO	1/4	1/4	LF	1/4
L#3	34	0-2	0-1	22	Y	1/4	1/4	RR	1/2
L#4	34	0-4	0-2	22	Y	1/4	1/4	LR	1/4
L#5	38	0-3	0-2	26	No	1/4	1/4	Wear Limits 5/32" min - 1/4" max each side, 1/2" total both sides	
L#6	38	0-4	0-6	26	No	1/4	1/4		
R#1	33	0-4	0-3	22	Yes	1/4	1/4		
R#2	44	0-4	0-2	30	Yes	1/4	1/4	Horizontal Handholds FRA Min. Height 30" 30" W/High Snow Plow (221.30)	
R#3	34	0-5	0-3	21	Yes	1/4	1/4		
R#4	33	0-3	0-3	23	Yes	1/4	1/4		
R#5	36	0-4	0-3	25	Yes	1/4	1/4	Rail Clearance FRA Min. 2-1/2" (229.71)	
R#6	35	0-4	0-2	24	Yes	1/4	1/4		
Wear Limits	17/16" MIN	23/16" MAX	15/16" MIN		8/16" MAX	8/16"	5/16" Max	Vertical Hand-hold Clearance FRA 2-1/2"	
FRA Limits	16/16"	24/16"	14/16"				5/16"		

	Coupler Slack (229.61(a)(2)(4))	Coupler Height (232.2)	Pilot Height (229.123)	Coupler Swing	Condition of Springs (229.65)			
					Front		Rear	
Front					L	OK	L	OK
Rear					R	OK	R	OK
Wear Limits	8/16	31 1/2" 34 1/2"	3" 6"	8"	MIN MAX			

**Wheel Sets (FRA Part 229.73)**

- (229.73(a)) Variation between wheels on the same axle may not exceed 4/16" when applied or turned.
- (229.73(b)) Variation between wheel diameter on the same SD truck may not exceed 12/16" without shims and 20/16" with shims.
- (229.73(b)) Variation between wheel diameters on different SD trucks may not exceed 20/16".

Conversion for Flange Height		Conversion for Flange Width	
0 - 0 = 17/16	0 - 5 = 21/16	0 - 0 = 20/16	0 - 7 = 16/16
0 - 1 = 18/16	0 - 6 = 22/16	0 - 2 = 19/16	0 - 8 = 15/16
0 - 2 = 19/16	4 - 6 = 23/16	0 - 4 = 18/16	0 - 9 = 14/16
0 - 4 = 20/16	8 - 6 = 24/16	0 - 5 = 17/16	

Supervisor: \_\_\_\_\_

# Locomotive Data Sheet

Locomotive # 5741 Date: \_\_\_\_\_ HR Meter Reading: \_\_\_\_\_

Description	Manufacturer	Model	S/N	Comments
Locomotive	EMD	SD-40-2		
Diesel Engine	EMD	16-645-F3B	80-41-2096	
Diesel Engine Governor	SARDELLIO	83 Rack 900 RPM	9100017	#Pins 16
Air Compressor	TRIMBLE ENGINEERING	W60-RGD	A-17631	(High) or Low Base
Air Compressor Governor				
Main Generator	EMD	D-141	15145	
Aux Generator		18 KW		
Alternator Turbo	ENGINE SYSTEMS	1U/567/9525597	98YC3/T167065	
Remote Control System	NO			MU or Fixed

Consumables: Turbo	TL-2FSO TL-3FSO	"1" Each
Fuel Suction Filter	P/N N/A	Quantity: 0
Fuel Primary Filter	P/N C-12	Quantity: 1
Fuel Secondary Filter	P/N FJ-25	Quantity: 2
Lubricating Oil Filter	P/N C-12	Quantity: 7
Diesel Engine Intake Filter	P/N F9-3	Quantity: 4
Air Comp. Intake Filter	P/N ROUND	Quantity: 1
Air Comp. Oil Filter	P/N BT-267	Quantity: 1
Brake Shoes	P/N V-330	Quantity: 12

Truck Type: #1 SD  
#2 \_\_\_\_\_

Traction Motor Model: #1 D-78 S/N A9N3856  
#2 D-78 S/N 13A32046 OPS  
#3 D-78 S/N 844214659 BAR  
#4 D-78 S/N 81A9041N  
5 D-78 14E380915X  
6 D-78 14F3800855

Axle Journal Size: #1 Truck Roller Bearing \_\_\_\_\_ Friction Bearing \_\_\_\_\_  
6 1/2 x 12 HYATT #1 Truck Roller Bearing \_\_\_\_\_ Friction Bearing \_\_\_\_\_

Air Brake System: 14EL \_\_\_\_\_ #6 \_\_\_\_\_ 24RL \_\_\_\_\_  
26L XX \_\_\_\_\_ 26NL \_\_\_\_\_ Other \_\_\_\_\_

Control Stand Style: Round or Square

Brake Cylinder: Size 9"

Packing Style: Cup or Ring

# Locomotive Data Sheet

Batteries: 19 Plate \_\_\_\_\_ 25 Plate X Unitize \_\_\_\_\_

Contactors: Electric X Pneumatic \_\_\_\_\_

Load Regulator: Pancake: \_\_\_\_\_ Commutor: \_\_\_\_\_ 3 System

EMD Radiators: 4" \_\_\_\_\_ 6" X

Belts	Front TM Blower	Rear TM Blower	Cooling Fan	Aux. Gen
Quantity				
Size				

Brake Straps: ~~2 Hole~~ Single Class ~~3 Hole~~ \_\_\_\_\_

MU: Yes \_\_\_\_\_ No: \_\_\_\_\_

Top Deck Seals: Round or Square

Engine Inspection Covers: Round or Square

Completed By: \_\_\_\_\_

Date: 5-5-17

Approved By: \_\_\_\_\_

Date: \_\_\_\_\_

## - Engine Airbox Inspection Report

Company: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Unit No.: 5741  
 Type: 50-40-3  
 Date: 5/4/12

Engine Type: 16-645-E3B  
 Engine Serial: 80H1-1096  
 Right Blower:   
 Left Blower:   
 Blower Contamination: Oil, aluminum, etc.  
 Does the blower turn:

Turbo duct Right Bank: OK  
 Turbo duct Left Bank: OK  
 Water jumpers:  large  small  
 Block damage: SOME REPAIR  
 Build up in air box: Minimal

Cylinder Number	Liners			Piston			
	#1 Ring Side Clearance (lands)	Ring Defects	Liner Condition	Piston type	1st Lead	2nd Lead	If needed
1	.008	OK	OK	E-3			cast
2	.008	OK	OK				cast
3	.011	OK	OK				cast
4	.009	OK	OK				cast
5	.010	OK	OK				cast
6	.009	OK	OK				cast
7	.009	OK	OK				cast
8	.009	OK	OK				cast
9	.008	OK	OK				cast
10	.007	OK	OK				cast
11	.006	OK	OK				cast
12	.008	OK	OK				cast
13	.007	OK	OK				cast
14	.010	OK	OK				cast
15	.009	OK	OK				cast
16	.009	OK	OK		↓		cast
17						cast	
18							
19							
20							

<sup>(14)</sup> Did not smash lead

Limits= Chrome-19  
 Cast- 30

Consult MWL air box book for defects for liner condition

3 rings- 567 A-C  
 4 rings- 645 E-G  
 3/4" top ring- E  
 1 1/4" top ring- E-3