



NATIONAL RAILWAY

LOCOMOTIVE INBOUND INSPECTION REPORT

QF-10007 REV 1

(circle items in bold)

Model	<u>SD50</u>	Road No.	<u>NREX5063</u>	Frame No	<u>847049-4</u>	Sold To	<u>NREC OWNED, BNSF LTB</u>
Inspector	<u>T.BRIGGS</u>	Location	<u>SILVIS</u>	Date	<u>12/27/2006</u>		

BOTTOM INSPECTION

Front	Short	Long	Nose	High	Low	MU	Yes	No	MU Hoses	Yes / No
Dynamics	Yes	No	Extended	Yes	No	Grid(s) Condition	<u>OK</u>			
Bell	Yes	No	Horn	Yes	No	Frame Condition	<u>OK</u>			
Fuel Tank Size	<u>4,500 GALS</u>		Retention Tank	Yes	No	Condition	<u>OK</u>			
Wheels	L1 _____	L4 _____	R1	_____	R4	_____				
SIZE	L2 _____	L5 _____	R2	_____	R5	_____	<u>SEE ATTACHED</u>			
	L3 _____	L6 _____	R3	_____	R6	_____	<u>WHEEL REPORT</u>			
Box TYPE	1: Hyatt/Timken	2: Hyatt/Timken	3: Hyatt/Timken	4: Hyatt/Timken	5: Hyatt/Timken	6: Hyatt/Timken				
T.M. Type	1 <u>D87B</u>	4 <u>D87B</u>	List cut / missing TM leads	<u>NONE</u>						
	2 <u>D87</u>	5 <u>D87</u>	Gear Ratio	<u>70:18</u>	Brake Shoe Type	<u>COMP</u>				
	3 <u>D87B</u>	6 <u>D87</u>	Axle Drive Type & Cond	<u>BACH SIMPSON, OK</u>						
Draft Gear Type & Cond	Front <u>390</u>	Rear <u>390</u>								
Draft Gear Pocket Cond	Front <u>OK</u>	Rear <u>OK</u>								
Coupler Type	Front <u>E</u>	Rear <u>E</u>	Self-aligning	<u>YES</u>	Condition	<u>GOOD</u>				
Pilot Type	<u>PLATE WITH POCKETS</u>	General Condition	<u>GOOD</u>	Plow Type	<u>HIGH</u>					
Truck Type	1 <u>HTC</u>	2 <u>HTC</u>	Rigging Pin Type	1 <u>SINGLE</u>	2 <u>SINGLE</u>					
Brake Cyl.	1 High	Low	2 High	Low						

LONGHOOD INSPECTION

Walkway Condition	<u>OK</u>	Handrail Condition	<u>OK</u>							
Engine Type	<u>16-645E3B</u>	S/N	<u>80L21003</u>	EMD Block No (from A frame)	<u>16F80H52</u>	Bars Over	Yes / No			
GE Engines:	Block # _____	H' number	_____	Manufacturer	Japstar	Anleister	BCI	Other		
Engine Overall Condition	<u>GOOD</u>	Internal / Bottom End Condition	<u>GOOD</u>							
Turbo P/N	<u>9543498</u>	S/N	<u>04/M3/T41210R</u>	Condition	<u>GOOD</u>	Diffusor Condition	<u>GOOD</u>			
Fuel Pump	Yes	No	PreHeater	Yes	No	Oil Cooler	Yes	No	Starter	Yes / No
Fuel Bypass Valve & Gage	Yes	No	Spark Arrestors	Yes / No	Exhaust Leaks	Yes	No			
Spin On Filters	Yes	No	Load Reguator Style	<u>SMALL</u>	Defect Tag	Yes	No			
Radiators	In	Out	Leaks?	Yes	No	Radiator Type	Soldered	Mech. Bond		
Fire Extinguishers:	Longhood Yes	No	Cab	Yes	No					
AC Cabinet	<u>YES</u>	Fan Fuses	<u>YES</u>	No	200 Lb. Air Gauge	Yes	No			
Air Compressor Type	<u>WBO</u>	Base Style	<u>HIGH</u>	Condition	<u>GOOD</u>					
Air filter media type	Baggie	Paper	Other							
Air Brake Type/System	<u>26L</u>	Condition	<u>GOOD</u>							
EMD Main Gen/Alt. Type	<u>AR11</u>	S/N	<u>85K21021</u>	Condition	<u>GOOD</u>					
EMD Aux. Generator Type	<u>18KW</u>	S/N	_____	Condition	<u>GOOD</u>					
GE AUXI	Model _____	Serial #	_____	Condition	_____					
GE EXCITER	Model _____	Serial #	_____	Condition	_____					
A.G. Blower Wheel Type	<u>SINGLE</u>	Condition	<u>GOOD</u>							



FANS

D.B. Fan	Qty. <u>1</u>	Size <u>60"</u>	Blades <u>10</u>	Type <u>Cast</u>	Fab <u>Fab</u>	
#1 Cool Fan	Size <u>48"</u>	Blades <u>6</u>	Type <u>Cast</u>	Fab <u>Fab</u>	GE, ALCO	
#2 Cool Fan	Size <u>48"</u>	Blades <u>6</u>	Type <u>Cast</u>	Fab <u>Fab</u>	Fan Drive Type	
#3 Cool Fan	Size <u>48"</u>	Blades <u>6</u>	Type <u>Cast</u>	Fab <u>Fab</u>	<u>Eddy Current</u>	<u>Direct Drive</u>
#4 Cool Fan	Size _____	Blades _____	Type _____	Cast	Fab	Condition _____
Equipment Rack	<u>Yes</u>	<u>No</u>	Type _____	Inertial Filters & Blower Motor	<u>Yes</u>	<u>No</u>
Carbody Condition	<u>GOOD</u>					
Paint Color/Condition	Carbody <u>YELLOW, DIRTY</u>	Eng Room <u>GRAY, DIRTY</u>				Cab <u>GRAY, DIRTY & WORN</u>

CAB/SHORT NOSE INSPECTION

Cab Condition	Floor <u>OK</u>	Wall <u>OK</u>	Glass Meet FRA Req <u>Yes / No</u>	Condition <u>OK</u>	
Cab Lights	<u>Yes / No</u>	Modules <u>Yes / No</u>	# missing <u>0</u>	Air Brake change date <u>3/24/04</u>	
H.V. Cabinet	Wire Condition <u>GOOD</u>	Wire Type <u>Exane</u>	<u>Hyplon</u>	Electric Switch Gear <u>Magnetic</u>	<u>Pnuematic</u>
Evidence of rewire?	<u>Yes</u>	<u>No</u>	Comments _____		
Speedo Type <u>BARCO</u>	Heaters <u>Water</u>	<u>Electric</u>	<u>Strip</u>	Seats <u>3</u>	Arm Rests <u>Yes / No</u>
Cab Cards <u>Yes / No</u> (If yes, record available data)	Event Recorder Equipped <u>Yes / No</u>	Type <u>QTRON</u>			
Toilet Type <u>PRIME</u>	Water Cooler Type <u>OASIS</u>	Wipers <u>OK</u>	Visors <u>2</u>		
Batteries <u>In</u>	<u>Out</u>	Condition <u>DEAD</u>	Style <u>UNITIZED</u>		
Control Stand Type <u>AAR</u>	<u>Round</u>	<u>Cash Register/Pedestal</u>	Condition <u>OK</u>		
Radio Equipment	<u>Yes</u>	<u>No</u>	EOT? <u>X</u>	Alerter? <u>X</u>	
			Cab Signal? <u>X</u>	Computer Control? <u>X</u>	

ADDITIONAL DEFECTS/COMMENTS

ENGINE V DIRTY

ENGINE ROOM SUMP AREA OILY

D14 PIT OILY

OIL LEAKING FROM EDUCTOR TUBE FLANGE GASKET

AR10 ROOM PIT DIRTY

OPEN MOTOR CIRCUIT LIGHT LIT ON AN125

HOT ENGINE LIGHT ON AN125

RETENTION TANK IS FULL

B/O TURBO, OVERLOADING PROBLEM - COULDN'T CONDUCT LOAD TEST