



NATIONAL RAILWAY

LOCOMOTIVE INBOUND INSPECTION REPORT

QF-10007 REV 1

(circle items in bold)

Model SD40-2 Road No. CP 5590 Frame No. _____ Sold To STL&H
Inspector MICHEL CHARBONNEAU Location OGDEN SHOPS CALGARY, AB Date 2/13/2006

BOTTOM INSPECTION

Front	Short	Nose	Low	MU	Yes	MU Hoses	No
Dynamics	Yes	Extended	No	Grid(s) Condition	<u>Fair</u>		
Bell	No	Horn	Yes	Frame Condition	<u>Fair</u>		
Fuel Tank Size	<u>4000 US gal.</u>	Retention Tank	No	Condition	<u>Fair tank is full of fuel</u>		
Wheels	L1 <u>Thin</u>	L4 <u>Thin</u>	R1 <u>Thin</u>	R4 <u>Thin</u>			
SIZE	L2 <u>Thin</u>	L5 <u>Thin</u>	R2 <u>Thin</u>	R5 <u>Thin</u>			
	L3 <u>Thin</u>	L6 <u>Thin</u>	R3 <u>Thin</u>	R6 <u>Thin</u>			
Box TYPE	1: <u>GG timken</u>	2: <u>GG Timken</u>	3: <u>GG Timken</u>	4: <u>GG Timken</u>	5: <u>GG Timken</u>	6: <u>GG Timken</u>	
T.M. Type	1 <u>D77</u>	4 <u>D77</u>	List cut / missing TM leads	<u>All motors connected</u>			
	2 <u>D77</u>	5 <u>D77</u>	Gear Ratio <u>62:15</u>	Brake Shoe Type <u>Composite</u>			
	3 <u>D77</u>	6 <u>D77</u>	Axle Drive Type & Cond	<u>Q-tron</u>			
Draft Gear Type & Cond	Front <u>Fair</u>	Rear <u>Fair</u>					
Draft Gear Pocket Cond	Front <u>Fair</u>	Rear <u>Fair</u>					
Coupler Type Front	<u>E</u>	Rear <u>E</u>	Self-aligning	<u>Yes</u>	Condition	<u>Fair</u>	
Pilot Type	<u>Wrap around CPR</u>	General Condition	<u>Poor dented</u>	Plow Type			
Truck Type	1 <u>HTC</u>	2 <u>HTC</u>	Rigging Pin Type	1 <u>?</u>	2 <u>?</u>		
Brake Cyl.	1 <u>High</u>	2 <u>High</u>					

LONGHOOD INSPECTION

Walkway Condition	<u>Fair</u>	Handrail Condition	<u>Poor, bent</u>				
Engine Type	<u>16-645E3</u>	S/N	<u>66-G1-1048</u>	EMD Block No (from A frame)	<u>16E66F59</u>	Bars Over	<u>n/a</u>
Engine Overall Condition	<u>Poor, broken crankshaft</u>	Internal / Bottom End Condition	<u>Poor, broken crankshaft</u>				
Turbo P/N	<u>9525597</u>	S/N	<u>05-A3-T41237R</u>	Condition	<u>Fair</u>	Diffusor Condition	<u>Fair</u>
Fuel Pump	Yes	PreHeater	Yes	Oil Cooler	Yes	Starter	Yes
Fuel Bypass Valve & Gage	Yes	Spark Arrestors	Yes	Exhaust Leaks			No
Spin On Filters	Yes	Load Reguator Style	<u>Small type</u>	Defect Tag			No
Radiators	In	Leaks?	No	Radiator Type		Mech. Bond	
Fire Extinguishers:	Longhood No	Cab	Yes				
AC Cabinet	Yes	Fan Fuses	Yes	200 Lb. Air Gauge	Yes		
Air Compressor Type	<u>Wabco</u>	Base Style	<u>High</u>	Condition	<u>Fair</u>	air cooled	serial: 578242
Air filter media type	<u>Baggie</u>						
Air Brake Type/System	<u>26LUM</u>			Condition			
EMD Main Gen/Alt. Type	<u>AR10A7</u>	S/N	<u>78-E3-1115</u>	Condition	<u>Fair</u>		
EMD Aux. Generator Type	<u>18KW</u>	S/N	<u>n/a</u>	Condition	<u>n/a</u>		



FANS

D.B. Fan	Qty. <u>2</u>	Size <u>48"</u>	Blades <u>8</u>	Type <u>Cast</u>
#1 Cool Fan	Size <u>48"</u>	Blades <u>8</u>	Type <u>Cast</u>	
#2 Cool Fan	Size <u>48"</u>	Blades <u>8</u>	Type <u>Cast</u>	
#3 Cool Fan	Size <u>48"</u>	Blades <u>8</u>	Type <u>Cast</u>	
Equipment Rack	<u>Yes</u>	Type <u>SD</u>	Inertial Filters & Blower Motor	<u>Yes</u>
Carbody Condition	<u>Poor, paint is peeling off and many rusted areas</u>			
Paint Color/Condition	Carbody <u>Action red</u>	Engine Room <u>Beige</u>	Cab <u>Beige</u>	

CAB/SHORT NOSE INSPECTION

Cab Condition	Floor <u>Good</u>	Wall <u>Good</u>	Glass Meet FRA Req	<u>Yes</u>	Condition	<u>Good Electric Heat</u>
Cab Lights	<u>Yes</u>	Modules	<u>Yes</u>	# missing <u>None</u>	Air Brake change date	<u>n/a</u>
H.V. Cabinet	Wire Condition	<u>Good</u>	Wire Type	<u>Exane</u>	Electric Switch Gear	<u>Magnetic</u>
Evidence of rewire?	<u>No</u>	Comments				
Speedo Type	<u>Out</u>	Heaters	<u>Electric + Strip</u>	Seats	<u>3 Baultar</u>	Arm Rests <u>Yes</u>
Cab Cards	<u>No</u>	(If yes, record available data)	Event Recorder Equipped	<u>Out</u>	Type	<u>Q-tron</u>
Toilet Type	<u>Prime</u>	Water Cooler Type	<u>Ebco</u>	Wipers	<u>6</u>	Visors <u>2</u>
Batteries	<u>In</u>	Condition	<u>b/o (dead)</u>	Style	<u>Surette</u>	
Control Stand Type	<u>AAR</u>	Condition	<u>Fair</u>			
Radio Equipment	<u>Motorola CPR 70505</u>	EOT?	<u>Yes</u>	Alarmer?	<u>Yes</u>	
		Cab Signal?	<u>No</u>	Computer Control?	<u>No</u>	

ADDITIONAL DEFECTS/COMMENTS

Locomotive built in 1972

Last major o/h: January 1996

Last air inspection: 2/4/02

Last annual inspection: 4/12/04

Tied up date: April 2005 (crank failure)

Auxiliary lube oil transfer tank (166 imp. Gal)

Crank is broken at #14 position.

Upgraded cab and recessed fridg.

Bent handrail.

Light engine "A" frame.

TK1 serial: 83F1007

TK2 serial: 83F1008