

INSPECTION REPORT

Inspector's Name SHIVER, JOHN			Inspector's Signature				Inspector's ID No. 79610	Report No. 57	Date yy mm dd 2016 04 28				
Railroad/Company Name & Address BIG SOUTH FORK SCENIC RWY 100 HENDERSON ST. STEARNS KY					R/C R	Division SYSTEM	RR/Co. Representative (Receipt Acknowledged) Name (b) (6) Title CARRIER REPRESENTATIVE Email (b) (6) Signature _____						
From: City STEARNS		Codes 3192	Destination City & County				Codes	From Latitude					
State KY		21	City					From Longitude					
County MCCREARY		C147	County					To Latitude					
Mile Post: From To			Inspection Point STEARNS, KY				To Longitude						
Activity Code:	230	MREC											
Units:	1	1											
Sub Units:	0	1											
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
1	K & T	14	STM	230						N	N	0	
Description - [** Comment to Railroad/Company **] AN INSPECTION ONLY OF THE BOILER, SMOKE BOX , AND FIRE BOX DISCLOSED THE FOLLOWING DEFECTS NOTED IN LINE ITEMS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, & 12 OF THIS REPORT.													
Seal Applied		Seal Removed			Hazard Class			UN/NA ID					
Violation Recommended				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Latitude:			Longitude:				
Written Notification to FRA of Remedial Action is:				<input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional		Railroad Action Code		Date(mm/dd/yyyy):		Comments on back?			
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
2	K & T	14	STM	230	0029	B1				N	N	12	230
Description FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (FRONT FLUE SHEET HAS 11 HOLES PLUGGED, THE REAR FLUE SHEET HAS 1 HOLE PLUGGED. ALL OF THE PLUGS ARE IMPROPERLY WELDED. THE PLUGGED HOLES IN THE FLUE SHEETS HAVE NO WELD ON THE INSIDE OF BOILER AND WERE RECESSED INTO THE FLUE SHEETS.													
Seal Applied		Seal Removed			Hazard Class			UN/NA ID					
Violation Recommended				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Latitude:			Longitude:				
Written Notification to FRA of Remedial Action is:				<input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional		Railroad Action Code		Date(mm/dd/yyyy):		Comments on back?			

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Inspector's ID No. 79610	Report No. 57	Report Date 4/28/2016
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
3	K & T	14	STM	230	0029	B1				N	N	1	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (THERE IS A HOLE IN THE TOP OF THE BARREL INSIDE THE BOILER ABOVE THE FLANGE KNUCKLE AREA. NO LIGHT PENETRATED FROM THE OUTSIDE INTO THE BOILER DURING THE INTERNAL BOILER INSPECTION RAISING CONCERN ABOUT THE PURPOSE OF THE HOLE.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
4	K & T	14	STM	230	0029	B1				N	N	1	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (TUBES IN THE BOILER ARE NOT IN PROPER ALIGNMENT FROM THE FRONT FLUE SHEET TO THE REAR FLUE SHEET.)

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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
5	K & T	14	STM	230	0029	B1				N	N	4	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (IMPROPER WELDS INSIDE THE FIREBOX AT BOTTOM CORNERS OF REAR FLUE SHEET AND SIDE SHEETS, DOOR SHEET AND SIDE SHEETS JUST ABOVE MUD RING. ALL 4 CORNERS HAVE SURFACE WELDS ON THE INSIDE OF FIRE BOX AND NO WELD ON THE OUTSIDE. THE SHEET METAL HAS BEEN CUT TO FIT THE BOTTOM CORNERS OF THE FIRE BOX AND ONLY SURFACE WELD HAS BEEN APPLIED TO THE INSIDE PORTIONS. THE EXPOSED CUTS TO THE METAL CAN BE SEEN THROUGH THE WASHOUT PLUG OPENINGS OF THE MUD RING).

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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
6	K & T	14	STM	230	0029	B1				N	N	1	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (NUMEROUS STAY BOLTS IN THE CROWN SHEET, THROAT SHEET, SIDE SHEETS, & WRAPPER SHEET WERE INSTALLED BY WHAT APPEARS TO BE TORCHED CUT OPENINGS THAT EXCEEDS 1/8 INCH CLEARANCE AROUND THE CIRCUMFERENCE OF THE BOLT. NUMEROUS BOLTS WERE DAMAGED DURING THE WELDING INSTALLATION. NUMEROUS HOLES MADE FOR THE STAY BOLTS HAVE NOT BEEN PROPERLY WELDED. ALL OF THE DAMAGED STAY BOLTS NEED TO BE REPLACED AND ANY DEVIATION OF THE 1/8 INCH CLEARANCE AROUND ANY OF THE STAY BOLTS NEED TO BE PROPERLY REPAIRED.

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
7	K & T	14	STM	230	0033	A1				N	N	2	MREC

Description
FAILURE OF OWNER AND/OR OPERATOR TO OBTAIN APPROVAL FROM FRA BEFORE WELDING ON UNSTAYED PORTIONS OF BOILER (1 PATCH INSTALLED IN THE FIRST COURSE AND 1 PATCH IN THE SECOND COUSE IN THE BOTTOM OF BOILER BARREL WILL HAVE TO BE REMOVED AND REPAIRED IN ACCORDANCE WITH AN ACCEPTED NATIONAL STANDARD FOR BOILER REPAIR).

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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	Date(mm/dd/yyyy):	Comments on back?
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
8	K & T	14	STM	230	0029	B1				N	N	1	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (A DEVIATION BETWEEN THE CROWN SHEET TO THE DOOR SHEET WAS OBSERVED DURING THE INTERNAL INSPECTION OF THE FIREBOX. THE METAL OF BOTH SHEETS DO NOT MATCH UP AT THE WELDED SEAM. ONE SHEET IS NOTICEABLY LOWER THAN THE OTHER).

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9	K & T	14	STM	230	0038	A				N	N	1	230

Description
RIGID STAYBOLTS LESS THAN EIGHT INCHES IN LENGTH WITHOUT TELLTALE HOLES AS REQUIRED (NUMEROUS STAYBOLTS INSIDE THE FIRE BOX DID NOT HAVE TELLTALE HOLES AS REQUIRED).

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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
10	K & T	14	STM	230	0038	C				N	N	1	230

Description
TELLTALE HOLES NOT KEPT OPEN WHEN REQUIRED (NUMEROUS STAYBOLTS WITH TELLTALE HOLES WERE OBSERVED WITH BROKEN OFF DRILL BITTS OR PLUGGED CLOSED ON THE OUTSIDE WRAPPER SHEET AND INSIDE THE FIRE BOX ON THE SIDE SHEETS, AND DOOR SHEETS).

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Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Latitude:	Longitude:
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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
11	K & T	14	STM	230	0029	B1				N	N	2	230

Description
FAILURE OF OWNER AND/OR OPERATOR TO REPAIR STEAM LOCOMOTIVE IN ACCORDANCE WITH AN ACCEPTED AND ESTABLISHED RAILROAD OR NATIONAL STANDARD FOR BOILER REPAIR (FRONT AND REAR FLUE SHEETS WILL REQUIRE CALCULATIONS FOR POSSIBLE NEW BRACING ACCOUNT REDUCTION IN NUMBER OF TUBES THAT WERE INSTALLED FROM ORIGINAL BOILER SPECIFICATIONS IN THE FORM 4.

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Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
12	K & T	14	STM	230	0032	B1				N	N	1	230

Description
 FAILURE TO PROPERLY INSPECT BOILER DURING 1,472 SERVICE DAY INSPECTION (EXCESSIVE ACCUMULATION OF MUD, DEBRIS, SCALE, AND METAL DEPOSITS IN MUD RING).

Seal Applied	Seal Removed	Hazard Class	UN/NA ID
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Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional	Railroad Action Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	Date(mm/dd/yyyy):	<input type="text"/>	Comments on back?
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