

IronWood Technologies

Railroad Accident Reconstruction

Federal Railroad Administration

False Proceed Signal Database

January 1, 1995 through May 3, 2004

All Reports - Cause: Failed Equipment or Device - Lightning Arrestors, Shorted

Report #	Date	Reporting Carrier	Block Interlocking System Narrative	Auto. Systems	Loco or Train No.	Device that Failed	Location	Collision or Derailment?
75	11/16/1996	BNSF	CTC		Suburban 1268	Lightning Arrestors	Westmont, IL	N
			found shorted lightnin shorted lightning arres the track battery on the	g arrestors stors, the in e west side ed the sign	on Track Isolation Un sulated joints were in of the joints until the	nits. While the last set of truck n effect bypassed. This allowe e last set of trucks were east o	then back to Red while train 1294 was east of the size in train 1294 were in the stagger of the insulated just the track relay on the east side of the insulated jour the effective insulated joint, at which time the track to Red. The defective lightning arrestors were related to the stage of the same training arrestors.	oints and with the two bints to be energized by k relay was again de-
194	5/5/1998	NS	СТС		6626-8947	Arrestor	Carbo, VA	N
			Train No. J62U705, operating the two units as a pusher, had entered the CV main off the west leg of the wye at Carbo on signal indication. After he me from unit 8947 to unit 6626 to change direction, the Engineer observed he had an APPROACH DIVERGING for his eastbound movement at Carbo. Shown he started his eastbound move, the CV dispatcher contacted him giving him permission to pass the next signal into the siding at Mill Creek and ciuple to 572. When the Engineer told the Dispatcher that his last signal displayed APPROACH DIVERGING instead of APPROACH, the dispatcher had him stop I and then called signal personnel to investigate.					
			Signal personnel arrived and had train No. J62U705 back west of the signal at Carbo. They then had the dispatcher set up the same scenario an see the false proceed about five minutes later. Investigation revealed that there were three badly burned lightning arrestors in a pole mounted jur Carbo. Each of these arrestors was partially grounding the circuit to which it was attached. One was on the BP circuit which had 12 VDC on it at The positive side of the BD relay for the eastward signal was also grounded by one of these arrestors and had 5.2 volts on it which was found to from the BP circuit ground. The arrestors were replaced and the signal system tested for proper operation before being returned to service.					
			nom the Br chall gro	Julia. Tric i		ou and the orginal eyelem took	ca for proper operation before being retained to ser	vice.

No. of Reports Shown in this Listing:

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