

3.10 - Accident Causes

[Back to Query Page](#) [Print Version](#)

TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54

MAJOR CAUSE= Equipment

Selections: Railroad - ALL

Region - All Regions

State - ALL, County - ALL

Derailment / All TRACK TYPES / E-ALL-Mechanical and Electrical Failures

Time Frame: Jan 2020 To Aug 2020

Specific causes:	Total		Type of Accident	Reportable Damage		Casualty	
	Cnt	%		Amount	%	Kld	Nonf
E00C- Air hose uncoupled or burst	1	1.0	Der	15,245	0.1	0	0
E04C- Oth brk component dmg,worn,broke,etc.	2	1.9		2,207,356	9.0	0	0
E05C- Brk valve malf. (undesired emergency)	2	1.9		53,544	0.2	0	0
E06C- Brake valve malf. (stuck brake, etc.)	2	1.9		80,066	0.3	0	0
E07C- Rigging down or dragging	2	1.9		466,584	1.9	0	0
E0HC- Hnd brk link and/or connect defect	1	1.0		210,483	0.9	0	0
E21C- Center sill broken or bent	3	2.9		371,468	1.5	0	0
E22C- Draft sill broken or bent	3	2.9		832,326	3.4	0	0
E23C- Center plate broken or defective	1	1.0		56,681	0.2	0	0
E24C- Ctr plate disengaged from truck	2	1.9		157,027	0.6	0	0
E27C- Side sill broken	1	1.0		46,000	0.2	0	0
E29C- Other body defects, (CAR)	2	1.9		86,577	0.4	0	0
E29L- Other body defects, (LOCO)	1	1.0		20,969	0.1	0	0
E30C- Knuckle broken or defective	2	1.9		44,133	0.2	0	0
E31C- Coupler mismatch, high/low	1	1.0		24,636	0.1	0	0
E33C- Coupler retainer pin/cross key missing	2	1.9		354,567	1.4	0	0
E34C- Draft gear/mechanism broke/defective	5	4.9		3,087,433	12.5	0	0
E35C- Coupler carrier broken or defective	1	1.0		22,518	0.1	0	0
E36C- Coupler shank broken/defective	1	1.0		94,992	0.4	0	0
E39C- Oth coupler/draft system defects-car	3	2.9		748,066	3.0	0	0
E40C- Side bearing clearance insufficient	6	5.8		882,993	3.6	0	0
E41C- Side bearing clearance excessive	2	1.9		285,936	1.2	0	0
E42C- Side bearing(s) broken	1	1.0		57,287	0.2	0	0
E46C- Truck bolster stiff	9	8.7		838,191	3.4	0	0
E46L- Truck bolster stiff (LOCO)	1	1.0		49,100	0.2	0	0
E47C- Defective snubbing	1	1.0		24,545	0.1	0	0
E49C- Other truck component defects, (CAR)	1	1.0		36,766	0.1	0	0
E4BC- Truck bolster stiff (failure to slew)	3	2.9		370,236	1.5	0	0
E4TC- Truck hunting	1	1.0		203,051	0.8	0	0
E51C- Broken/bent axle between wheel seats	2	1.9		239,943	1.0	0	0
E52C- Journal (plain) failure from overheat	2	1.9		164,492	0.7	0	0
E53C- Journal (roller bearing) overheating	7	6.8		3,113,131	12.7	0	0
E59C- Oth axle/journal bearing defect-car	1	1.0		55,478	0.2	0	0
E60C- Broken flange	1	1.0		80,250	0.3	0	0
E61C- Broken rim	4	3.9		3,959,755	16.1	0	0
E64C- Worn Flange	7	6.8		643,448	2.6	0	0
E64L- Worn flange (LOCO)	1	1.0		22,248	0.1	0	0
E67C- Damaged flange or tread (build up)	2	1.9		56,228	0.2	0	0
E68C- Loose wheel	1	1.0		34,534	0.1	0	0
E69C- Other wheel defects (CAR)	2	1.9		258,257	1.0	0	0
E69L- Other wheel defects (LOCO)	1	1.0		21,630	0.1	0	0
E6AC- Thermal crack, flange or tread	1	1.0		772,621	3.1	0	0
E71L- Traction motor failure (LOCO)	3	2.9		1,933,330	7.9	0	0
E79L- Other LOCO defects	2	1.9		612,735	2.5	0	0
E86C- Bottom outlet door attachment defect	1	1.0		15,650	0.1	0	0
E99C- Other mechanical/electrical failures	1	1.0		31,203	0.1	0	0
E99L- Other mechanical/electrical fail(LOCO)	1	1.0		864,336	3.5	0	0
-- Total	103	100	103	24,608,045	100.0	0	0