

ITEM NO. 19

FRA Database Data for Track Caused Derailments on All Types of Track

TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54

Selections: Railroad - ALL
 State - ALL, County - ALL
 Derailment / All TRACK TYPES / T - Rail, Joint Bar and Rail Anchoring
 Time Frame: Jan 1995 To Dec 2000

MAJOR CAUSE= Track

Specific causes:	Total		Type of Acci-	Reportable Damage		Casualty	
	Cnt	%	dent	Amount	%	KId	Nonf
T201- Bolt hole crack or break	38	2.3	38	10,138,712	3.6	0	4
T202- Broken base of rail	291	17.6	291	36,994,933	13.3	0	21
T203- Broken weld (plant)	6	0.4	6	1,955,684	0.7	0	0
T204- Broken weld (field)	35	2.1	35	16,700,909	6.0	0	2
T205- Defective or missing cross-ties	69	4.2	69	3,708,844	1.3	0	2
T206- Defect/missing spike-oth rail fastener	25	1.5	25	854,177	0.3	0	0
T207- Detail fracture - shelling/head check	161	9.7	161	44,991,629	16.2	1	9
T208- Engine burn fracture	3	0.2	3	184,084	0.1	0	0
T210- Head and web sep(outside jt bar limit)	172	10.4	172	17,605,482	6.3	0	1
T211- Head & web separation-In jt bar limit	34	2.1	34	7,755,237	2.8	0	7
T212- Horizontal split head	34	2.1	34	2,225,589	0.8	0	0
T213- Joint bar broken (compromise)	11	0.7	11	1,373,864	0.5	0	0
T214- Joint bar broken (insulated)	4	0.2	4	3,072,796	1.1	0	7
T215- Joint bar broken (noninsulated)	45	2.7	45	19,904,228	7.2	1	5
T216- Joint bolts, broken, or missing	19	1.2	19	2,243,971	0.8	0	0
T217- Mismatched rail-head contour	21	1.3	21	431,683	0.2	0	0
T218- Piped rail	5	0.3	5	236,107	0.1	0	0
T219- Rail defect with joint bar repair	6	0.4	6	722,009	0.3	0	0
T220- Transverse/compound fissure	308	18.5	308	52,334,776	18.8	0	7
T221- Vertical split head	184	11.1	184	26,305,380	9.5	2	5
T222- Worn rail	71	4.3	71	6,518,748	2.3	0	0
T299- Other rail and joint bar defects	112	6.8	112	21,998,117	7.9	0	7
- Total	1,652	100	1,652	278,256,859	100.0	4	77