Relation between causal agents and code no. 19 reaction to motion/improper motion as type of Fatal accidents in 1999-2021

L	M	S	causal agent	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total
		111	engine																								
	11	engine																									
		121	power transmission mechanism																								
	12	power transmission mechanism																									
		131	circular sawing machine																								
		132	band sawing machine																								
		133	wood planer machine																								
		134	hollow chisel mortiser, wood borer																								
		135	chamfering machine, router, woodworking milling machine																								
		136	chain saw																								
		139	other woodworking machines																								
	13	woodworking machine																									
		141	leveling, transporting or loading machine																								
		142	excavating machine																								
		143	foundation work machine																								
		144	hardening machine																								
		145	demolition machine																								
		146	vehicle for high lift work																								

		149	other construction machines																								
	14	construction machine																									
		151	lathe																								
		152	drill press, milling machine																								
		153	grinding machine, buffing machine																								
		154	power press																								
		155	forging pressure hammer																								
		156	shearing machine																								
		159	other metal manufacturing machines																								
	15	metal manufacturing machine																									
		161	centrifugal machine																								
		162	mixer, grinder																								
		163	roll machine (except printingroll machine)																								
		164	injection molding machine																								
		165	food manufacturing machine																								
		166	printing machine																								
		167	industrial robot																								
		169	other general power machines																								
	16	general machine																									
		171	felling machine																								
		172	mobile logging machine																								
		173	skyline yarding																								

			machine																								
		179	other mobile silviculture machine																								
	17	mobile silviculture machine																									
1	machine																										
		211	crane																								
		212	mobile crane																								
		213	derrick crane																								
		214	elevator, lift																								
		215	cargo lifting appliance																								
		216	gondola																								
		217	lumberyard equipment, logging cableway																								
		218	simple skyline yarding equipment																								
		219	other powered crane																								
	21	crane																									
		221	truck																								
		222	forklift																								
		223	railway equipment																								
		224	conveyor																								
		225	loader																								
		226	straddle carrier																								
		227	rough terrain hauler																								
		229	other powered conveying machines																								
	22	conveying machine																									
		231	cars, bus, motorcycle																								

		232	railway vehicle																							
		239	other vehicles																							
	23	vehicle																								
2	crane, conveying machine																									
		311	boiler																							
		312	pressure vessel																							
		319	other pressure vessels																							
	31	pressure vessel																								
		321	chemical facilities																							
	32	chemical facilities																								
		331	gas welding equipment																							
		332	arc welding equipment																							
		339	other welding equipment																							
	33	welding equipment																								
		341	kiln, caldron																							
		342	industrial dryer																							
		349	other kiln, caldron																							
	34	kiln, caldron																								
		351	transmission														1									1
		352	electric power facilities																							
		359	other electrical equipment																							
	35	electric equipment															1									1
		361	human power cranes																							
		362	human power hauling equipment																							
		363	human power machine																							
		364	hand tool																							
		human power machine,																								

	36		tools																								
		371	ladder																								
		372	slinging tool																								
		379	other tools																								
	37		tools																								
		391	other equipments, facilities																	1							1
	39		other equipments, facilities																	1							1
3	other equipment																1			1							2
		411	scaffolding																								
		412	timbering																								
		413	stairs, landing stage																								
		414	opening																								
		415	roof, beam, haze, crossbeam, principal rafter																								
		416	working platform, boot board																								
		417	passage																								
		418	building, establishment																								
		419	other temporary buildings, establishments																								
	41		temporary buildings, establishments																								
4	temporary buildings, establishments																										
		511	explosive substance																								
		512	inflammable substance																								
		513	inflammable gas																								
		514	harmful substance																								
		515	radiation																								

		519	other hazards, harmful substances																								
	51	hazards, harmful substances																									
		521	metal material																								
		522	lumber, bamboo																								
		523	stone, sand, substance																								
		529	other materials																								
	52	materials																									
5	substance, material																										
		611	load																								
		612	machine/equipment as load																								
	61	load																									
6	load																										
		711	natural ground, rock																								
		712	standing tree																								
		713	water																								
		714	abnormal environment																								
		715	high/cold temperature environment																								
		719	other environments																								
	71	natural environment																									
7	environment																										
		911	other causal agent																								
	91	other causal agent																									
		921	no causal agent																								
	92	no causal agent																									
		999	unclassifiable																								
	99	unclassifiable																									
9	others																										

0	total														1			1						2

Data of 2011 year include Industrial accidents caused by Great East Japan Earthquake in 2011.

Data sources: https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2021eftcs.html