

COMPLETE LISTING—ALL PACKAGING TYPES—Continued

Code	What failed	Code	How failed	Code	Cause(s) of failure
107	Check Valve	307	Gouged or Cut	507	Corrosion—Interior
108	Chime	308	Leaked	508	Defective Component or Device
109	Closure (e.g., Cap, Top, or Plug)	309	Punctured	509	Derailment
110	Cover	310	Ripped or Torn	510	Deterioration or Aging
111	Cylinder Neck or Shoulder	311	Structural	511	Dropped
112	Cylinder Sidewall—Near Base	312	Torn Off or Damaged	512	Fire, Temperature, or Heat
113	Cylinder Sidewall—Other	313	Vented	513	Forklift Accident
114	Cylinder Valve			514	Freezing
115	Discharge Valve or Coupling			515	Human Error
116	Excess Flow Valve			516	Impact with Sharp or Protruding Object (e.g., nails)
117	Fill Hole			517	Improper Preparation for Transportation
118	Flange			518	Inadequate Accident Damage Protection
119	Frangible Disc			519	Inadequate Blocking and Bracing
120	Fusible Pressure Relief Device or Element.			520	Inadequate Maintenance
121	Gasket			521	Inadequate Preparation for Transportation
122	Gauging Device			522	Inadequate Procedures
123	Heater Coil			523	Inadequate Training
124	High Level Sensor			524	Incompatible Product
125	Hose			525	Incorrectly Sized Component or Device
126	Hose Adaptor or Coupling			526	Loose Closure, Component, or Device
127	Inlet (Loading) Valve			527	Misaligned Material, Component, or Device
128	Inner Packaging			528	Missing Component or Device
129	Inner Receptacle			529	Overfilled
130	Lifting Feature			530	Over-pressurized
131	Lifting Lug			531	Rollover Accident
132	Liner			532	Stub Sill Separation from Tank (Tank Cars)
133	Liquid Line			533	Threads Worn or Cross Threaded
134	Liquid Valve			534	Too Much Weight on Package
135	Loading or Unloading Lines			535	Valve Open
136	Locking Bar			536	Vandalism
137	Manway or Dome Cover			537	Vehicular Crash or Accident Damage
138	Mounting Studs			538	Water Damage
139	O-Ring or Seals.				
140	Outer Frame.				
141	Piping or Fittings.				
142	Piping Shear Section.				
143	Pressure Relief Valve or Device—Non-Reclosing.				
144	Pressure Relief Valve or Device—Reclosing.				
145	Remote Control Device.				
146	Sample Line.				
147	Stub Sill (Tank Car).				
148	Sump.				
149	Tank Head.				
150	Tank Shell.				
151	Thermometer Well.				
152	Threaded Connection.				
153	Vacuum Relief Valve.				
154	Valve Body.				
155	Valve Seat.				
156	Valve Spring.				
157	Valve Stem.				
158	Vapor Valve.				
159	Vent.				
160	Washout.				
161	Weld or Seam.				

General non-bulk and IBCs		Cylinders	
Code	What failed	Code	What failed
103	Basic Material	111	Cylinder Neck or Shoulder
104	Body	112	Cylinder Sidewall—Near Base