



IICL Technical Bulletin OT TB 003, 1 July 2017

Title: Open Top Inspection Criteria Revision

The Institute of International Container Lessors (IICL) has recently revised in inspection criteria for steel dry van containers (IICL 6). The purpose of this technical bulletin is to sync tables of the open top manual with IICL 6.

Listed below are the specific items denoted by inspection tables:

Table 5.2 – Post Inspection

Component - Front and rear corner posts

Condition – Any single deformation such as a bend, bow, dent, etc.

Action Required – if more than 20 mm (1 3/16 inch), regardless of length or location, Repair

Component – Front and rear corner posts

Condition – Outward deformation

Action Required – of more than 5 mm (3/16 inch) beyond the plane of the end surfaces or 10 mm (3/8 inch) beyond the plane of the side surfaces of the corner fitting, Repair

Table 5.3 – Side/Front Panel Inspection

Component – All side/front panels

Condition – inward deformation such as bend, dent, etc.

Action required – if more than 35 mm (1 3/8 inch) measured on an inside recessed corrugation, Repair

Components - Side Panels

Condition – outward deformation such as bend, dent, etc.

Action required – if more than 30 mm (1 3/16 inch) measured on an inside recessed corrugation, Repair

Component – Front Panels

Conditions – Outward deformation, such as bend, bow, dent, etc.

Action required – if more than 15 mm (9/16 inch) measured on an inside recessed corrugation, Repair

Table 5.6 – Floor Inspection

Component – Floor

Condition – different heights of surfaces of adjacent planks or panels or between top plate of tunnel and fork pockets and floor boards

Action Required – if difference is more than 5 mm (3/16 inch), Repair

Component – Floor

Condition – Downward deformation such as a bend or bow

Action required – if more than 15 mm measured transversely at the floor screw center line, Repair

Table 5.7 – Understructure Inspection

Component – Cross members, forklift pocket including straps, outriggers and gooseneck tunnel components

Condition – Downward deformation such as a bend, bow, dent, etc.

Action required – if more than 15 mm (9/16 inch) from its original position or below the plane of the lower surfaces of the bottom corner fittings, Repair

Table 5.8 – Miscellaneous Inspection Items

Component – Lashing fittings

Condition – bent

Action required – if more than 50 mm (2 inch) into the interior space of the container, Repair

Table 5.9 ISO and IICL Tolerances

IICL + ISO damage limits for all components listed below

Components

Top side rails

Action Required:

Outwards: maximum 10 mm (3/8 inch) beyond plane of side surfaces of corner fittings

Upwards (headers): maximum 4 mm (5/32 inch) above plane of upper surfaces of top corner fittings

Bottom side rails

Action Required:

Outwards: maximum 10 mm 3/8 inch beyond plane of side surfaces of corner fittings

Downwards: not below the plane of the lower surfaces of the bottom corner fittings

Front and door headers door assembly

Action Required:

Outwards: Maximum 5 mm (3/16 inch) beyond plane of end surfaces of corner fittings

Upwards (headers): maximum 4 mm (5/32 inch) above plane of upper surfaces of top corner fittings

Front and door sills

Action Required:

Outwards: maximum 5 mm (3/16 inch) beyond plane of end surfaces of corner fittings

Downwards: not below the plane of the lower surfaces of the bottom corner fittings

Fork-lift pocket strap

Action Required:

Downwards: minimum 10 mm (3/8 inch) above plane of the lower surfaces of the bottom corner fittings

Upwards: see “fork-lift pocket opening height below

Fork-lift pocket opening

Action Required:

Width: loaded pockets: minimum 345 mm (13-5/8 inch)

Empty pockets: minimum 295 mm (11-5/8 inch)

Height: loaded pockets: minimum 105 mm (4-1/8 inch)

Empty pockets: minimum 93 mm (3-5/8 inch)

Gooseneck tunnel

Action Required:

Length L: minimum 3140 mm (123-7/8 inch); maximum 3510 mm (138-1/4 inch)

Width of tunnel opening X: minimum 1019 mm (40-1/8 inch); maximum 1042 mm (41 inch)

Height of tunnel B: minimum 107 mm (4-1/4 inch); maximum 130 mm (5-1/8 inch)

Door opening

Action Required:

Width: minimum 2281 mm (89-13/16 inch)

Height: 8' high container: minimum 2129 mm (83-13/16 inch)

8'6" container: minimum 2256 mm (88-13/16 inch)

9'6" container: minimum 2560 mm (98-13/16 inch)