



Hänel

protocol
for
Service Inspection



Lean-Lift model year 1995 and later

The service tasks and checks to be performed must be carried out by a qualified or specially trained person.

After safety-related structural components are modified, a safety inspection must be carried out according to "F-SichB1".

Generally, applicable national regulations of the country of use, for example the Machinery Directive in Europe, must be followed, as must the operating, monitoring, control and safety instructions of the owner/operator.


Customer address Country / owner/operator _____


Location _____


Commission number Lean-Lift _____

Summary

- a) Since the last service, the unit has not been converted ☐ has been converted ☐
- b) The unit conforms to requirements ☐ Yes [continue with d)] ☐ No [continue with c)]

- c)  The lift cannot be operated at the moment, as the following functional or safety-related points could not be immediately repaired:

- d)  We would like to ensure that your lift is fully functional and its value maintained. Therefore, we recommend that you correct the points listed here as soon as possible:

Last service / check was on	Date of the current service inspection
Name of service technician (in block letters)	Name of responsible person designated by customer (in block letters)
Signature of service technician 	Signature of customer



Technical values or information about the required use of lubricants must be taken from the corresponding operating manual only.

The tasks described here in keyword form are intended for inspections, service and checks carried out by a specially trained technician (qualified person). When carrying out work on the carousel, the authoritative text is that of the current version of "EN 15095" and its published amendments, as well as any additional national requirements of the respective country of use.

Please tick the relevant boxes and enter the requested information in the spaces provided. Then, indicate your evaluation by ticking "Yes" or "No" next to each subject. Where applicable, brief notes, such as "light scratches" can be noted directly in the corresponding field.

1. <u>Mechanical system</u>		Evaluation Requirements fulfilled	
1.1	Signs in the local language with the essential information from the operating manual are attached to the outside of the carousel in a clearly legible and permanent manner.	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.2	Safety signs are present and fully intact in compliance with the current "SiSchi" document.	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.3	Installation and operation conditions conform to the intended use (loaded - unloaded) and the assessment of the ambient conditions (e.g. space requirements - temperature - humidity).	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.4	Test run for generally serviceable condition with consideration of the operating conditions and the intended use according to the operating manual.	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.5	Running noise in normal operation (particularly for bearing units, chain guides) When abnormal noises are heard, the reason must be found and corrected.	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.6	Drive and carrying chains Spot-check of chain links carried out at various places. Correct chain tension and sufficient lubrication checked.	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>
1.7	Connecting shafts Check for proper fastening (torque check where applicable).	Yes	No
		<input type="checkbox"/>	<input type="checkbox"/>



1. <u>Mechanical system</u>	Evaluation Requirements fulfilled
1.8 Extractor chain wheels / bevel gears Check for deformation or other damage. All fasteners are present and fully functional (secure fit / torque check)	Yes No <input type="checkbox"/> <input type="checkbox"/>
1.9 Gear motor All fasteners are present and fully functional (secure fit / torque check) The permanent lubrication is ensured. There are no leaks.	Yes No <input type="checkbox"/> <input type="checkbox"/>
1.10 Guide tracks and rollers Visual and manual check (by running your hand across surfaces) for deformation or damage. Check the position and fit of the supporting roller axis bolts. Sufficient lubrication is present.	Yes No <input type="checkbox"/> <input type="checkbox"/>
1.11 Door locks (of the access points and service access doors) and their keys are present and fully functional.	Yes No <input type="checkbox"/> <input type="checkbox"/>
1.12 Door mechanical system (at the access point) The guides move easily and the cables are fully functional and undamaged.	Yes No <input type="checkbox"/> <input type="checkbox"/>
1.13 Special versions — structural extensions Technical values and specific information about use must be taken from the project-specific operating manual and checked for safe function. 	Yes No <input type="checkbox"/> <input type="checkbox"/>



2. <u>Electrical system</u>		Evaluation Requirements fulfilled	
2.1	Wiring The labels of all conductors and terminals are present and correct. The conduits have no sharp edges and moving conductors are in no danger over their entire traverse path. The insulation of conductors, cables and all cable bushings are undamaged. Screw, clamp and plug connectors are in correct position and make secure contact.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.2	Power supply The operating and control voltage, the layout of the mains power supply and the motor power consumption conform to the specifications on the order-specific circuit diagram and the type plate on the lift. Main switch undervoltage trip present for multi-unit networks. Function check carried out at all main switches.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.3	Control system Installed control system type: All functions (and every storage compartment) can be selected and carried out.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.4	Protective motor switch Settings and function according to specifications of circuit diagram. <i>Note: For models "Without protective motor switch Q1 in the electrical drawer", the variable protective motor switch is integrated in the main switch.</i>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.5	Emergency command devices (incl. main switch and main service switch) All actuators and switching elements are undamaged and functional.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.6	Safety devices at all access points The installed light barriers are installed according to their intended use and the light barrier is self-monitoring (yellow, ESPE type 4) <input type="checkbox"/> Self-monitoring light curtain <u>directly</u> in front of the access point (LVS, ESPE type 4) <input type="checkbox"/> Self-monitoring light curtain <u>at a distance</u> of the access point (LVH, ESPE type 4) <input type="checkbox"/> <u>Not self-monitoring</u> (black) <input type="checkbox"/> Important! In this case, a note is required on Page 1.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.7	Limit switches / proximity switches / height detection All installed switches, sensors and height detection devices checked for correct function.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.8	Compartment LEDs Option not present The display function is present.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.9	Soil deposits (in electrical installation spaces or on electrical components) that either mechanically or thermally impairs proper function has been removed, e.g. on fans (FC), light barriers or light curtains.	Yes <input type="checkbox"/>	No <input type="checkbox"/>