DHOLLANDIA	Checklist for preventative maintenance and inspection of DH-LM	Work order #
		Client PO #

Client: …………………..……………………..…………………

Address: ……………………………………..…………………….

……………………………………………......…………..…………..

City:……………………… ST:……... Zip:...……..……..

Plate: ……………….....…………..... Mileage: ……….……….....

Model + S/N:…………………………..........................…..…..

Date:…………………………………………………………….…..

Contact phone:…………………………………………………

When "not OK", liftgate must be serviced or repaired prior to further use !

Before getting started...	Frequency	OK ?	Corrected
Pressure wash *Clean liftgate thoroughly to make it ready for inspection*	90 days 1750 cycles		

Documentation check, safety markings and decals	Frequency	OK ?	Corrected
Operation manual *Present in vehicle cab; complete*	90 days 1750 cycles		
Model ID decal, serial number decal, MAXIMUM RATED CAPACITY decal *Present, legible, conspicuous, in good condition*	90 days 1750 cycles		
Marking of CENTER POINT OF MAXIMUM LOAD on platform *Present, legible, conspicuous, in good condition*	90 days 1750 cycles		
Marking of SAFE OPERATOR POSITION on platform (if no foot controls) *Present, in good condition, applied per installation manual*	90 days 1750 cycles		
Safety and operation decals *Present, complete, legible, in good condition*	90 days 1750 cycles		

Controls and electrical wiring	Frequency	OK ?	Corrected
Main external control box, cover, installation to vehicle body *Condition and integrity, undamaged*	90 days 1750 cycles		
Main battery disconnect switch in control box, dashboard switch in truck cabin *Condition, operation*	90 days 1750 cycles		
Switches and buttons, protective rubber covers *Condition, operation, automatic return to neutral position*	90 days 1750 cycles		
Wiring harnesses *Condition, secured with clamps and/or cable ties, undamaged*	90 days 1750 cycles		
Inside of main external control box, 15A fuse, plus spare, electrical switches *Condition, dry, corrosion free, all wires secured*	90 days 1750 cycles		
Mandatory 2-hand operation when using main external control box (if applicable), safety switch *Operation, not tampered with or altered in any way*	90 days 1750 cycles		
Safety switch (if applicable), connection of auxiliary controls *Operation, correct switching between main external controls and auxiliary controls*	90 days 1750 cycles		
Foot controls and their rubber buttons *Condition, operation, routing, securement and condition of the wiring harness*	90 days 1750 cycles		
Handheld remote control *Condition, operation, condition of holder or magnetic catch, spiral cable and plug(s)*	90 days 1750 cycles		

Electrical installation	Frequency	OK ?	Corrected
Batteries and battery connections *Condition, maintenance of battery, charging system output is sufficient, connections are secure. Apply silicone dielectric grease to all exposed connections.*	Yearly		
Main fuse or circuit breaker in battery box *Terminals tight, corrosion free, no signs of overheating, verify operation if manual trip present.*	90 days 1750 cycles		
(+) Battery and cables, plugs, terminal connections, protective looms *Condition, undamaged, secured with clamps and/or cable ties, inspect full length and connection at both ends of the cable*	90 days 1750 cycles		
(-) Ground cables, plugs, terminal connections, protective looms *Condition, undamaged, secured with clamps and/or cable ties, inspect full length and connection at both ends of the cable*	90 days 1750 cycles		
Wiring harness between control box and pump unit *Condition, secured with clamps and/or cable ties, undamaged*	90 days 1750 cycles		
Cylinder lock valve harnesses *Condition, secured with cable ties, undamaged*	90 days 1750 cycles		
Harness(es) from platform to control box or pump unit (foot controls, platform lights, etc.) *Condition, routing, secured with cable ties, undamaged*	90 days 1750 cycles		
Harnesses for other auxiliary controls *Condition, routing, secured with cable ties, undamaged*	90 days 1750 cycles		
Connections at main external control box *Condition, all connections secured, dry and corrosion free*	Yearly		
Connections in pump unit, electric connection board *Condition, all connections tight, dry and corrosion free*	90 days 1750 cycles		
Limit switches, pressure switches, tilt sensors (optional) *Condition, operation, automatic return to the neutral position; tilt sensor works correctly*	90 days 1750 cycles		

Hydraulic pipes and connections	Frequency	OK ?	Corrected
Hydraulic pipes, flexible and rigid *Condition, routing, no damage, leaks or chafing. Replace flexible pipes every 5 years.*	90 days 1750 cycles		
Hydraulic fittings, O-ring seals *Condition, no leaks*	90 days 1750 cycles		
Hydraulic circuit general *No visible oil leaks during operation and at rest*	90 days 1750 cycles		

Hydraulic pump unit	Frequency	OK ?	Corrected
Pump unit box + cover, outside + inside *Condition, undamaged, sealed, dry and corrosion free.*	90 days 1750 cycles		
Mounting of pump unit to lift frame or vehicle chassis *Condition and integrity*	90 days 1750 cycles		
Oil reservoir, oil filter *Check oil level, clean filter yearly, replace hydraulic oil every 3 years*	Yearly		
Bleed hydraulic circuits *After replacing oil, or after opening hydraulic circuit for any reason*	As needed		
Motor, starter solenoid, connection between both *Condition inside pump unit, operation, all connections are tight, no signs of overheating*	90 days 1750 cycles		
Hydraulic circuit general external appearance, valve block and solenoid valves *No visible oil leaks during operation and at rest*	90 days 1750 cycles		

Hydraulic cylinders	Frequency	OK ?	Corrected
All hydraulic cylinders *Condition, operation, fastening of pivot points and locking bolts*	90 days 1750 cycles		
Piston rods, rubber protection boots *Condition; rod surface free of paint, dirt, scratches and pitting*	90 days 1750 cycles		
Cylinder lock valves *Condition, undamaged, clearance from mounting plates, bumper, other fixed parts*	90 days 1750 cycles		
Tilt cylinders *Correct adjustment of extension rods, fastening of lock nut of extension rod*	Yearly		
Hydraulic circuits of cylinders, valves and couplings *No visible oil leaks in operation and at rest*	90 days 1750 cycles		

Lift frame	Frequency	OK ?	Corrected
Lift frame, lift arms *Condition, undamaged (deformation, cracks in material or welds), no corrosion*	90 days 1750 cycles		
Pivot points, pivot pins and bearings *Condition, no damage or wear, fastening of locking pins / bolts / nuts* *Presence and condition of lubrication fittings*	90 days 1750 cycles		
Pivot points, pivot pins and bearings *Pump grease in all lube fittings* (*) 90 days, 1750 cycles or after each pressure wash, whichever comes first	90 days 1750 cycles W (*)		
Auto-tilt brackets between lift arms and lift frame (DH-LM type) *Condition, undamaged (deformation, cracks in material or welds), lubricated*	90 days 1750 cycles		
Mounting plates to chassis *Condition, undamaged (deformation, cracks in material or welds), sufficient bolts per installation instructions, torqued to specifications (if bolted).*	90 days 1750 cycles		

Platform	Frequency	OK ?	Corrected
Platform construction *Condition, undamaged (deformation, cracks in material or welds), no corrosion*	90 days 1750 cycles		
Pivot points, pivot pins and bearings *Condition, no damage or wear, fastening of locking pins / bolts / nuts* *Presence and functional condition of lubrication fittings*	90 days 1750 cycles		
Pivot points, pivot pins and bearings *Pump grease in all lubrication fittings* (*) 90 days, 1750 cycles or after each pressure wash, whichever comes first	90 days 1750 cycles W (*)		
Platform at loading floor *Presence and functional condition of stop blocks for lifting movement. Alignment of the platform flush with the loading floor*	Yearly		
Platform rollers *Condition, undamaged. Replace when worn or damaged*	90 days 1750 cycles		
Cart-stops (optional) *Condition, operation, no debris underneath*	90 days 1750 cycles		
Flashing platform lights, foot controls, other electric platform options (optional) *Condition, operation of the device. Condition, routing of the harness(es) to the control box or pump unit, undamaged*	90 days 1750 cycles		
Platform flags (optional) *Presence, condition, visibility*	90 days 1750 cycles		
Mechanical platform lock (optional) *Condition, operation, lubricate mechanism*	90 days 1750 cycles		

Practical tests	Frequency	OK ?	Corrected
Functional test with empty platform *Perform all movements minimum 3 times with all control units.* *Liftgate should operate smoothly and quietly through its full range of motion.* *Check condition of pivot points (no excessive play).* *Verify correct auto-tilt function at ground level.*	90 days 1750 cycles		
Regular weight test at 100% of MAXIMUM RATED CAPACITY *Rest platform on ground.* *Position MAX. LOAD on CENTER POINT FOR MAX. LOAD.* *Lift platform. Check if lift capacity is sufficient. Check general operation and stability.* *Check safe working speeds:* • *Lift and lower: max. 6" / sec* • *Open and close: min. 9 sec to open or close platform*	Yearly		
Overload test, adjustment of pressure relief valve *Rest platform on ground.* *Position a load = 1.1 x MAXIMUM LOAD on the CENTER POINT OF MAXIMUM LOAD* *Press lift function. Platform should not lift off the ground. Pressure relief valve should open.* *If required, use procedure I-SERV-G-003 to adjust the pressure until platform will NOT lift 1.1 x MAXIMUM LOAD* *(Note: pressure should never exceed 220 bar / 3190 psi)*	Yearly		
Hydraulic circuit general *No visible oil leaks during operation and at rest*	90 days 1750 cycles		

Notes:	

Maintenance or inspection performed by:

Name of technician:

Date of next maintenance / inspection (*):

Service Center

(*) erase what is not applicable

Make sure you follow the all instructions and safety precautions at all times. Refer to:
⇒ **the OPERATION MANUAL**
⇒ **the GENERAL SAFETY INSTRUCTIONS FOR REPAIR AND MAINTENANCE**
(*available via www.dhollandia.com or contact the local distributor)*