



A Division of Systems, LLC

Vertical Storing Dock Leveler PM Checklist

Customer:	Order #:	Date:
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Address:	Equipment Model:
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⚠ WARNING	Always read and understand the Owner's/User's Manual and become thoroughly familiar with the equipment and its controls before installing or operating equipment. Failure to read and understand the owner's/user's manual could result in death, serious injury, damage to equipment or voiding of warranty!
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Maintenance Steps	Dock #	Dock #	Dock #	Dock #
	Serial #	Serial #	Serial #	Serial #

Weekly Maintenance	Completed Steps			
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⚠ WARNING	Before entering the platform operating zone, store the leveler and lockout/ tagout all electrical disconnects in the OFF position. Lower the red safety bars to the service position, then lock out the storage prop. Properly secure the storage pin and safety bar hardware.
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1) Operate the dock leveler through the complete operating cycle to maintain lubrication. - Make sure leveler "floats" when in the working zone. (~15" above dock) - Verify lip operates up and down.				
2) With the leveler in the below dock position, clean and inspect the rear hinge line and lip hinge line.				
3) Inspect warning decals or placards. Replace if missing or damaged.				
4) Inspect concrete and curb steel/ embed.				
5) Clean leveler pit.				

Quarterly Maintenance				
1) Complete weekly maintenance.				
2) Check fluid level with unit vertically stored and lip folded. (Reference owner's manual. Inspection will vary based on model)				

-- Continued --	Dock #	Dock #	Dock #	Dock #
2) Inspect the following for damage/ abnormal wear:				
- Check all welds for cracks.				
- Check solenoid coils and valves for cracks or bending.				
- Remove debris from beneath prop/ trunnion weldment and behind rod eye.				
- Inspect rod end cylinder pin, rod eye and hardware.				
- Make sure rod eye is straight and jam nut is tight.				
- Inspect junction box for damage/ moisture and verify electrical connections.				
- Inspect control box and conduit.				
- Inspect limit switch and be sure it is securely mounted.				
- Inspect hydraulics. (Hoses, cylinders, fittings and powerpack.)				
- Inspect inside/outside lights. (If applicable.)				
- Inspect bumpers for more than 1" of wear.				
3) Lubricate the following areas with light weight machine oil.				
- Lip hinge, <u>without grease fittings</u> . (Apply between hinge tubes while below dock with lip folded.)				
- Platform hinge, <u>without grease fittings</u> . (Apply between hinge tubes with leveler on storage prop.)				
- Storage prop pins.				
- Lip cylinder pins.				
- Lip and hoist cylinder rod wipers.				
4) Lubricate the following areas with white lithium grease				
Note: Apply to all grease fittings if equipped.				
- Hoist cylinder grease fitting.				
Annual Maintenance				
1) Complete quarterly maintenance.				

-- Continued --	Dock #	Dock #	Dock #	Dock #
2) Change hydraulic oil (may be required more often depending on operating environment)				
Adjustments. (Reference owner's manual if adjustments are necessary.)				
- Adjust "leveler stored" limit switch. When correct, the leveler should lean 5-10 degrees towards the door with ½" - 1" of play in storage prop.				
- Verify leveler lowers to full below dock position. If leveler does not reach cross traffic legs, adjust hoist cylinder rod eye.				
- Verify leveler operating speed. Vertically stored to below dock should take 15-20 seconds. If speed is outside this range, make adjustment				
- Reference owner's manual for down speed adjustment instructions.				

Dock#	Comment or Description of Repair(s) Needed	Approval	Completed

Notes: (Detail adjustments performed, parts replaced, etc.) _____

By signing below I/we certify that all steps required by Systems, LLC have been completed:

Service Provider Representative (print name & sign):	Date:
Customer/End User Representative (print name & sign):	Date:



Recommended Spare Parts

VSH Series

Quantity	Part Number	Description
1	8581-0010	Solenoid Valve, 2-way, NC, Poppet
1	8581-0074	Solenoid Valve, 2-way, NC, Spool
1	8581-0005	Solenoid Valve, 3-way, 2-position
1	8581-0011	Solenoid Valve, 4-way, 2-position
1	8581-0023	Solenoid Prop Kicker (Includes Nuts)
1	0961-0186	Stored Limit Switch
2	9202-0038	Pin, Cyl. MTE, 49/64" Dia. X 10.25" Lg
2	9202-0071	Hoist Cyl Pin, VS, PP,FRM Rod End
2	2101-0259	Rue Ring
2	0522-0005	Pin,Clevis,Lip CYL, 3/4" Dia x 2.00" Lg
2	8581-0004	Delta Coil,115VAC,DHC-11
2	4301-0004	Cable Assembly, 48"Oal, 1 Coil