



Maintenance for vacuum suction systems according to DGUV Rule 100-500

Owner: Heavydrive LLC		Internal number:
		Suspension type: VSG 3500 KMH
Manufacturer: Heavydrive		No. of suction cups: 12
Serial number: 5845	Year of construction: 2022	Load capacity max. (kg) 3500

Visual inspection		
Component:	OK	Work carried out/parts used
Type plate: affixed, legible	x	
General condition of system: Deformations, rust, loose parts, damage	x	
Lifting eyes: Marking, damage, deformation – replace if necessary	x	
Suction cups: Cleaning, damage, deformation, signs of ageing – replace if necessary	x	
Hoses, quick couplings: Damage, tight fit, smoothness – replace if necessary	x	
Function check		
Electrical system:		
On/Off switch Function – replace if necessary	x	
Battery + charging function: Test – charge or replace if necessary	x	
Remote control: Damage, function – replace if necessary	x	
Warning/control lights: Function – replace components if necessary	x	
Hydraulic system:		
Pump – cylinder – lines: Leak tightness, damage, function – replace components if necessary	x	
Vacuum operation:		
Leak-tightness test: Reach cut-off pressure -0.72bar (up to 2000 meters altitude), pressure drop (check warning device -0.65bar) - readjust or replace components if necessary. Pull-off test: + 100% Nominal payload vertical	x	

Next maintenance : 02/2027

Dallas, 02.10.2026
Place/Date

Signature

