



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: 78	
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 : 12/2025

Tapfheim, 12.02.2024

Place/Date

Signature

