



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

|                                                                                                                                                                                                                                         |                               |                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|--|
| Owner: Heavydrive                                                                                                                                                                                                                       |                               | Internal number:                   |  |
|                                                                                                                                                                                                                                         |                               | Suspension type: VSG 4500 KMH      |  |
| <b>Manufacturer: Heavydrive</b>                                                                                                                                                                                                         |                               | No. of suction cups: 16            |  |
| Serial number: 675                                                                                                                                                                                                                      | Year of construction:<br>2015 | Load capacity max. (kg)<br>4500    |  |
| <b>Visual inspection</b>                                                                                                                                                                                                                |                               |                                    |  |
| <b>Component:</b>                                                                                                                                                                                                                       | <b>OK</b>                     | <b>Work carried out/parts used</b> |  |
| Type plate: affixed, legible                                                                                                                                                                                                            | x                             |                                    |  |
| General condition of system:<br>Deformations, rust, loose parts, damage                                                                                                                                                                 | x                             |                                    |  |
| Lifting eyes:<br>Marking, damage, deformation – replace if necessary                                                                                                                                                                    | x                             |                                    |  |
| Suction cups:<br>Cleaning, damage, deformation, signs of ageing – replace if necessary                                                                                                                                                  | x                             |                                    |  |
| Hoses, quick couplings:<br>Damage, tight fit, smoothness – replace if necessary                                                                                                                                                         | x                             |                                    |  |
| <b>Function check</b>                                                                                                                                                                                                                   |                               |                                    |  |
| <b>Electrical system:</b>                                                                                                                                                                                                               |                               |                                    |  |
| On/Off switch<br>Function – replace if necessary                                                                                                                                                                                        | x                             |                                    |  |
| Battery + charging function:<br>Test – charge or replace if necessary                                                                                                                                                                   | x                             |                                    |  |
| Remote control:<br>Damage, function – replace if necessary                                                                                                                                                                              | x                             |                                    |  |
| Warning/control lights:<br>Function – replace components if necessary                                                                                                                                                                   | x                             |                                    |  |
| <b>Hydraulic system:</b>                                                                                                                                                                                                                |                               |                                    |  |
| Pump – cylinder – lines:<br>Leak tightness, damage, function – replace components if necessary                                                                                                                                          | x                             |                                    |  |
| <b>Vacuum operation:</b>                                                                                                                                                                                                                |                               |                                    |  |
| Leak-tightness test:<br>Reach cut-off pressure -0.72bar (up to 2000 meters altitude), pressure drop (check warning device -0.65bar) - readjust or replace components if necessary.<br>Pull-off test:<br>+ 100% Nominal payload vertical | x                             |                                    |  |

**Next maintenance : 08/2026**

Dallas, 08.26.2025  
Place/Date

Signature

