



Laboratory - Gent : Test report

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Applicant : Memolub S.A.
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info :

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Subject - Conclusions - Actions

1. Subject :

Memolub HPS –electromechanical lubricating system- : determination of the degree of protection according to IEC 60529

2. Conclusion :

The electromechanical lubricating system **Memolub® HPS** provides a degree of protection of **IP66** according to IEC 60529.

Name and function	Date & signature
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3. Description :

Sample : 1 Memolub HPS, Type MEGA, height 147 mm

Parts :

- transparent cover
- battery holder – separated from the cover by an elastomer gasket
- base – containing the electromechanical parts

4. Procedure & results :

Tests according to IEC 60529 (Ed. 2001), with the sample in an upright position (cover on top).

4.1. Determination of the 2nd characteristic figure 5 (IEC 60529 §14.2.5) :

- diameter of the nozzle : 6,3 mm
- delivery rate : 12,5 l/min
- test duration : 3 min

After the test the sample was inspected for the ingress of water :

- cover : no ingress of water
- battery holder : no ingress of water
- base : no ingress of water

Result : the sample complies with the conditions for IPx5

4.2. Determination of the 2nd characteristic figure 6 (IEC 60529 §14.2.6)

- diameter of the nozzle : 12,5 mm
- delivery rate : 100 l/min
- test duration : 3 min

After the test the sample was inspected for the ingress of water :

- cover : no ingress of water
- battery holder : a few drops of water, not reaching the contact points
- base : no ingress of water

Result : the sample complies with the conditions for IPx6

4.3. Determination of the 2nd characteristic figure 7 (IEC 60529 §14.2.7)

- immersion depth (from the lowest point of the sample) : 1000 mm
- test duration : 30 min

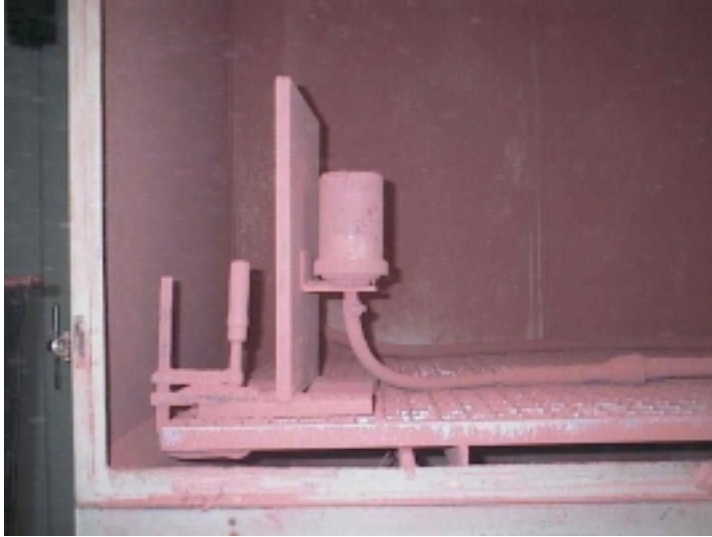
After the test the sample was inspected for the ingress of water :

- cover : no ingress of water
- battery holder : a few drops of water, accumulation up to the contact points is possible
- base : totally filled with water

Result : the sample does not comply with the conditions for IPx7

4.4. Determination of the 1st characteristic figure 6 (IEC 60529 §13.4.)

- suction connection to the grease delivery point
- depression : 2 kPa
- test duration : 8 h



After the test the sample was inspected for the ingress of dust :

- cover : no ingress of dust
- battery holder : no ingress of dust
- base : no ingress of dust

Result : the sample complies with the conditions for IP6x