*Repair Project*

In order to find out which PolymerMetall® could be used to solve your repair problem we would like to ask you to fill in and send back this form. Additional sketches, drawings, photographs etc. could be helpful. We thank you for your effort!

**Description of the component**

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| --- |
| Machine/Plant/Construction:  Damaged component (Name):  Function:  Material of the component:  Relevant dimensions (e.g. length, width, height, diameter, wall thickness...):  of the component:  of the damaged area:  Damage description (e.g. crack, wear, leakage,… – in detail please):    Reason and cause of damage (Why?… Whereby?... – in detail please):    Constructive weakening (structural/mechanical strength) of the component due to damage  No |  Yes  Notes/Other: |

**Influences on the repair area at operating conditions**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thermal stress  min  °C | max  °C | Durable Ø  °C  Mechanical stress  No |  Yes  MPa |  Yes  Pressure load by fluids  No |  Yes  bar |  Yes  Chemical stress  No |  Yes Chemical(s) (if so with concentration data) Chemical temperature  °C  °C  °C  Tribological stress   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | No | | Yes | 1 | Sliding wear  (Adhesion) | Yes | 4a4b | Impact particle wear  (Abrasion) | |  | Yes | 2 | Sliding abrasion  (Abrasion) | Yes | 5 | Drop erosion wear  (Surface fatigue) | |  | Yes | 3 | Particle erosion – fluids  (Erosion, Abrasion) | Yes | 6 | Cavitation wear  (Surface fatigue) | |

**Influences on the repair area during the repair**

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| Location of the component, plant, construction  Indoor (e.g. building, hall …) |  Outdoor;  Protection against climatic influence possible  Yes |  No  Component temperature  °C  Repair surface of the component, plant, construction  oily or greasy |  contaminated with petrols |  wet (water) or under water  dry (or can be made free of any oil, grease, petrol, water etc. for the duration of the application)  roughening possible prior to the application of repair material    Remaining pressure in system  No, for the period of the repair & curing pressureless system possible  Yes;  bar  Machining (chipping) necessary / required after repair or curing  No |  Yes |

**Other**

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| Appendix:  Sketches  Technical drawing  Photographs  Test report/Journal  Other: |

**Sender**

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| Company:  Address:  Contact person:  Phone / Fax:  Email: |

**MultiMetall**

the MetalExistenceCompany®