*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 | *[ ]*  YesNotes/Other:  |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thermal stressmin  °C | max  °C | Durable Ø  °CMechanical stress[ ]  No | [ ]  Yes  MPa | [ ]  YesPressure load by fluids[ ]  No | [ ]  Yes  bar | [ ]  YesChemical stress[ ]  No | [ ]  Yes Chemical(s) (if so with concentration data) Chemical temperature   °C   °C   °CTribological 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) |

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**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 | [ ]  NoComponent temperature °CRepair 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;  barMachining (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®