# *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 device

Machine/Plant/Construction: .....

Damaged device (Name): .....

Function: .....

Material of the device: .....

Relevant dimensions (i.e. length, width, height, diameter, wall thickness...):

of the device: .....

of the damaged area: .....

Damage description (i.e. crack, wear, leakage,… – in detail please):

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Reason and cause of damage (Why?… Whereby?... – in detail please):

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Constructive weakening (structural/mechanical strength) of the device due to damage

☐ No | ☐ Yes

Notes/Other: .....

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## 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  Sliding wear (Adhesion)

☐ Yes  Sliding abrasion (Abrasion)

☐ Yes  Particle erosion – fluids (Erosion, Abrasion)

☐ Yes   Impact particle wear (Abrasion)

☐ Yes  Drop erosion wear (Surface fatigue)

☐ Yes  Cavitation wear (Surface fatigue)

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## Influences on the repair area during the repair

Location of the device, plant, construction

☐ Indoor (i.e. building, hall …) |  ☐ Outdoor;
Protection against climatic influence possible ☐ Yes | ☐ No

Device temperature

…….. °C

Repair surface of the device, 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

Company: .....

Address: .....

Contact person: .....

Phone / Fax: .....

Email: .....

**MultiMetall**

the MetalExistenceCompany®

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