

## HYDRAULIC CRUSHERS

### Description:

Several joints of hydraulic crushers

### Conditions of use:

- Speed : oscillating move with low speed (around 0,01 m/s)
- Dynamic contact pressure : around 100 MPa
- Temperature : ambient
- Use time : less than 8 hours/day
- Surrounding atmosphere : dusty, but protection by seals
- Lubrication : periodic

### Previous solution:

- Pin : Case hardened steel
- Bearing : Case hardened steel

-> Problem : seizure and wear

### HEF solution:

- Pin : Case hardened steel
- Bearing : PEL

### Customers:

CATERPILLAR Work Tools (ex VERACHTERT)

