

## HYDRAULIC BREAKERS

### Description:

Bushings of rod end cylinder for mining application

### Conditions of use:

- Dynamic contact pressure : up to 120 N/mm<sup>2</sup>
- Translation movement with low stroke and high speed
- Temperature : ambient (- 10°C to 40°C)
- Use time : 8 to 16 hours/day
- Surrounding atmosphere : abrasive + corrosive
- Lubrication : regular (every hours to every 8 hours)

### Previous solution:

- Pin: hardened steel 48-50 HRC
- Bearing: Carburised steel

→ Problem: scuffing and then important wear after several hundred of hours

### HEF solution:

- Pin: hardened steel 48-50 HRC
- Bearing: PEL C - BH

→ Results: No scuffing after more than 1000 hours of functioning

### Customers:

SOCOMEC

