Table 6: RCF cycles for the crack-free (control) and pre-cracked samples (SC and MPC) all running at room temperature, 3600 rpm, and 3.5 GPa of Hertzian pressure.

|  |  |  |  |
| --- | --- | --- | --- |
| Test | Cycles | Time / h | Reason of stoppage |
| Control-1 | 2.9 × 108 | 558.1 | Excessive vibration |
| MPC-1 | 8.6 × 106 | 16.8 | Lubrication system failure |
| MPC-2 | 2.8 × 108 | 551.2 | Load bolt and spring got loose |
| SC-1 | 8.6 × 108 | 1672.5 | Excessive vibration |