

REPAIRING OF GIRTH GEAR CRACKS

CUSTOMER'S FIRST RECALL IN-SITU SOLUTION FOR GIRTH GEAR CRACKS



AREA OF CONCERN

Cracks are normally observed on gear tooth of kiln girth gear, cement mill and raw mill girth gear due to ageing, wear & tear or due to heavy jerking sometime leading to tooth breakage. Girth gears are not readily available in stock and are generally made to order with a lead time of 6 months to 1 year, thereby leading to downtime loss resulting in production loss with high cost of replacement. Hence, reclamation is an ideal solution.

SOLUTION

Job needs to be done in-situ; Crack is tested with NDT (Non Destructive Testing) to ensure no further propagation. Grooves must be prepared to the depth of the crack. A buttering layer with our specialised electrode, LH-1105 ensures purging of all internal impurities. Welding is then completed with our unique product for breakdown LH-521,

thereby providing maximum safety margin for this application. Welded components are then finished to the required profile by grinding.

APPLICATIONS

For all major cracks and breakdown applications such as kiln tyre cracks, raw mill, cement mill girth gear cracks & kiln shell cracks in cement, steel and chemical plants.

SOME OF OUR END USERS

- ACC Limited-Madukkarai
- ACC Limited-Wadi
- Century Cement
- Ghorahi Cement Industry Pvt. Ltd.-Nepal
- Rajashree Cement Works
- Saurashtra Cement Limited

