

INSPECTION OF FALK DRIVE TRANSFER CASE HOUSINGS

EL ES DE was contacted by Westerfeld Engineering, a leading provider of mechanical services to the mining industry in Western Australia, to assist with the rebuild process of transfer cases used in the drive systems of bulk material handling conveyors.



A transfer case housing about to undergo inspection

At the request of their customer, Westerfeld Engineering was required to verify the dimensional integrity of the housing for all of the transfer cases that they reconditioned.

Primarily of concern were the alignment and location of the bores within the housing which are critical in obtaining acceptable gear tooth contact.

Previously, Westerfeld had contracted a 3rd party machine shop to perform these inspections on a manual machine. Using this process, the results were often inconsistent with what was measured in-house, the reports were unclear and incomplete and the cost (including transport to and from the machine shop) was high.

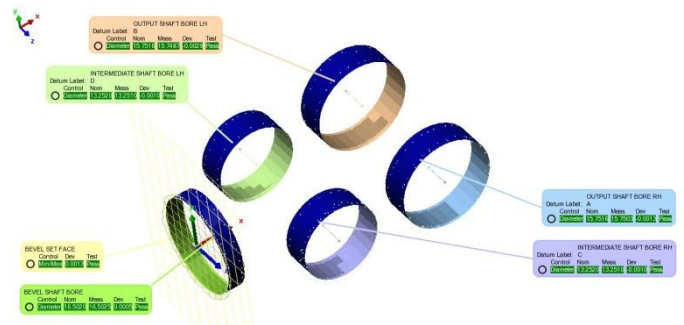
EL ES DE was able to assist Westerfeld Engineering by using their advanced FARO™ Platinum Portable Coordinate Measuring Machine (PCM).

EL ES DE's technicians were able to travel to our client's premises and perform the inspection to a high accuracy in a very short period of time. The reports submitted were clear and complete, and allowed our client to easily visualize any non-conformances present in the equipment.

As a bonus, the costs of this process were significantly less than the previous method providing excellent value to our client.



The FARO Platinum 7-axis Portable Coordinate measuring machine



An excerpt from the inspection report detailing the size of the housing bores