

CASE STUDY

MP1000 COUNTERWEIGHT ASSEMBLY REPAIR / UPGRADE

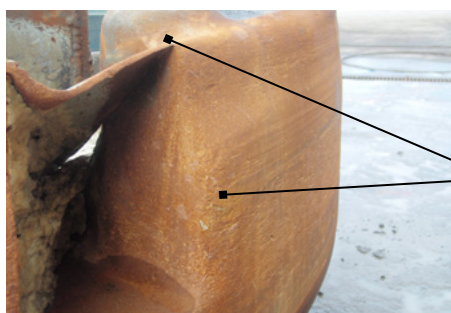
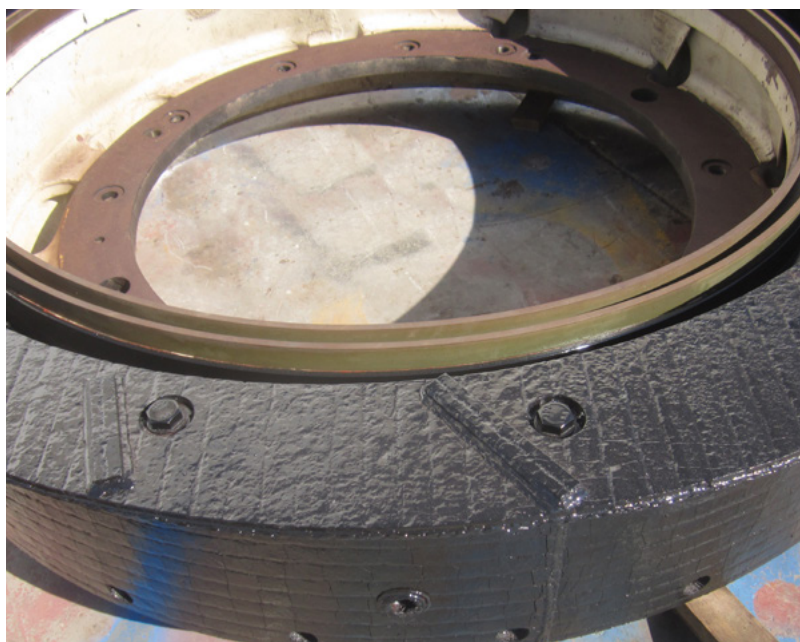
H-E PARTS INTERNATIONAL (H-E PARTS) OFFERS SPECIALIZED MAINTENANCE SERVICES FOR ALL YOUR MINERALS PROCESSING EQUIPMENT AND COMPONENTS. H-E PARTS OFFERS TAILORED SOLUTIONS THAT PROVIDE ADDED VALUE BY EXTENDING SERVICE INTERVALS, IMPROVING PLANT PERFORMANCE AND PRODUCTIVITY, WHILE REDUCING DOWNTIME AND ASSOCIATED LIFECYCLE COSTS.

At a Western Australian gold mine our customer had an ongoing issue with the counterweight assemblies within their MP1000 crushers, not lasting to scheduled manganese liner change-outs. This was attributed to the top guard wearing through, causing excessive wear to the counterweight sub-assembly. The counterweight then became unbalanced, leading to excessive vibrations within the crusher. Our client was then forced into shutdown mode on a breakdown basis to get the counterweight assembly immediately changed out.

In addition to the repair and static rebalancing of the counterweight; H-E Parts recommended that the customer have both the top guard and outer guard manufactured with H-E Parts Protech™ PT-650 wear plate, which has superior wear and impact resistance in comparison to the original 400 Brinell Q&T plate. In consultation with H-E Parts in-house engineering department, our off-site repairs team then custom-fabricated and installed the PT-650 fitted counterweight guards at our Perth facility.

Since the first MP1000 counterweight fitted with PT-650 guards were put into service, the plant availability was greatly increased as a result of the counterweight life performing well past scheduled shutdowns; up to 12 months. The counterweight repair cost was reduced by more than 50% through protection of the counterweight assembly. Additionally, the crusher was protected from damage or wear to the immediate bushing and eccentric assemblies.

LOCATION	Western Australia, Australia.
TYPE	Gold Mine
APPLICATION	Metso MP1000 Counterweight Assembly



Counterweight sub assembly damage

H-E Parts International replacement parts are compatible with the makes and/or models of the third-party equipment described. H-E Parts International is not an authorized repair facility of these third parties and it does not have an affiliation with any manufacturers of these third-party products. All brands, original equipment manufacturer (OEM) part numbers or references are owned by the respective OEM entities or their affiliates. These terms are used by H-E Parts International for identification and cross reference purposes only and are not intended to indicate affiliation with, or approval by the OEM, of H-E Parts International or its products.