



AUSTLINE FABRICATIONS

COST EFFECTIVE METAL
FABRICATION AND INSTALLATION,
DELIVERED WHEN YOU NEED IT



RESOURCES

CIVMEC RC3 RECLAIMER BUCKETS, PORT KEMBLA COAL TERMINAL

CLIENT: CIVMEC
LOCATION: NSW
YEAR: 2016

SCOPE OF WORKS

TFG Group were awarded the fabrication of 15 reclaimer buckets for the Port Kembla Coal Terminal in Wollongong, New South Wales. The design and fabrication required TFG to design an initial 'jig' to ensure consistency of build tolerance across all buckets. The tight timeframe of delivery required the universal fit as critical in the fabrication process. Throughout the fabrication process extensive MDR and ITP requirements were supplied to ensure all quality assurances and specifications were achieved.

PROJECT TIMELINE

TFG's competitive and timely quotation enabled awarding and lodging of QA documentation and weld quality documents to proceed with the fabrication. The design and fabrication of the 'jig' enabled precise assembly, welding and machining of the initial bucket. The trial fit to 'wheel' was completed and the supply of the remaining reclaimer buckets were fabricated and delivered on time.

INNOVATION & TECHNICALITIES

The buckets were fabricated with 3CR12 Sandvik proprietary material, a high wear capacity and to AS1554 Standards for all welding and testing. In house line bore machining to ± 0.1 mm on mounting pin locations was completed with precision, coupled with extensive dissimilar materials fabrication for each reclaimer bucket.

TRANSPORTATION

TFG designed, then fabricated from the initial assembly procedures and followed this process closely with essential stabilising frames to allow for easy transportation, assembly and final site installation.

