

JADCO CASE STUDY



COAL TERMINAL STACKER-RECLAIMER BUCKETS

OVERVIEW

Coal ship loading terminal installed custom fabricated QT-PLUS® on high abrasion areas including inner and outer lips, outside mid-shell, inner walls and impact zones on the outside lip of their stacker-reclaimer buckets. Installation of JADCO wear steel substantially extended stacker-reclaimer bucket life and significantly reduced downtime, improving production efficiency and profits.



BEFORE



AFTER

WHO: COAL SHIP LOADING TERMINAL
WHAT: STACKER-RECLAIMER BUCKETS
WHERE: MARYLAND, USA

INDUSTRY: MINING
CHALLENGE: SEVERE ABRASION & IMPACT
SOLUTION: QT-PLUS & CHROME WELD



CHALLENGE:

Extreme impact and abrasion conditions required maintenance interventions every 11 months, on customer's 8 buckets made with AR 450. Frequent repairs were needed for bent, broken and splits at the weld seams. Customer requested JADCO to design and fabricate QT-PLUS replacement components in high impact and abrasion areas to obtain better results.

SOLUTION:

JADCO custom designed and fabricated QT-PLUS to replace AR 450 steel on all high impact and abrasion areas on client stacker-reclaimer buckets. In a six month period, there were no (0) bucket failures, no visible signs of wear, and the "shutdown week" was the easiest bucket installation the client had in 15 years of operation. With these proven results, client has now approved the upgrade and re-engineering on their next set of buckets, using both QT-PLUS and CHROME WELD 600.

RESULTS

JADCO SOLUTION...

- SIGNIFICANT LONGER WEAR LIFE
- REDUCTION IN MAINTENANCE INTERVENTIONS
- HIGHER PRODUCTION
- LOWERING OPERATING COSTS
- INCREASED PROFITABILITY



**EXTENDED
WEAR LIFE**

**STACKER - RECLAIMER
BUCKETS INSTALLATION**



**JADCO EXTENDS LIFE
OVER STANDARD
AR 450**

GET A QUOTE

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