



ESCO New UltraEdge™ LHD Lip System

PROFILE

Application: Underground Mining

Commodity: Copper

Digging Conditions: Hard Abrasion

Machine: LHD – Underground Bagger

Make and Model: CAT Elphinstone R2900

CHALLENGE

- Align GET changes with engine services
- Longer Wear life
- Simplified parts management
- Reduce access required under lip
- Ability to fit to existing bolt on lip without modification

ESCO SOLUTION

- ESCO UltraEdge™ LHD Lip System

RESULTS

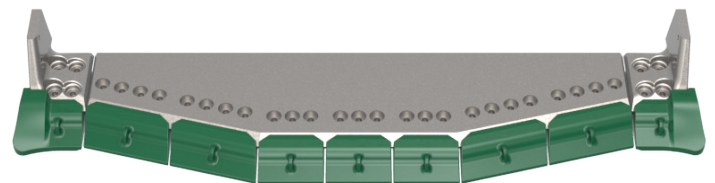
- Up to 66% increase in shroud wear life
- Half life corner shroud and center shrouds changed at engine services.
- Up to 25% reduction in GET operating cost per hour.

ULTRAEDGE SHROUD SYSTEM DELIVERS 66% INCREASE IN WEAR LIFE

A copper mine in Australia working in hard abrasive conditions was experiencing extreme wear on their bucket lip system. They needed a lip system that would provide longer wear life. They also required the GET and shrouds to last through the maintenance cycle to align with the engine service.

ESCO and the local dealer introduced the new UltraEdge LHD lip system for trial. The LHD Bolt-on lip provided up to 66% increase in shroud wear life. The performance increase resulted in 25% reduction in the GET operating costs per hour. The mine was so pleased with the performance they converted all of their bagger and surface loader buckets to the ESCO UltraEdge LHD lip post trial.

Mine personnel prefer the ESCO UltraEdge system over the previous competitor system.



up to **25%**
reduction in
G.E.T. Operating costs