

# CASE STUDY

## DOZER OPTIMISATION

### PROJECT

D10T DOZER G.E.T COST  
OPTIMISATION

### CLIENT

GENESIS MINING SERVICES



### OVERVIEW

Mining Wear Parts (MWP) identified an opportunity to support a prominent Goldfields contract miner operating across the Gwalia and Mount Morgans Gold Mines with a cost-optimisation review of their D10T Dozer Ground Engaging Tools (GET).

The operation was achieving expected performance from their OEM supplier, however, with ongoing focus on operating cost efficiency, there was an opportunity to benchmark a like-for-like alternative that could deliver equivalent wear life at a reduced cost per hour. To validate performance, MWP supplied a D10T Dozer G.E.T kit for direct comparison against the OEM solution.

### PROBLEM

There was no operational issue with the existing product. The site was operating within expected wear life parameters and maintenance schedules.

The opportunity centred on commercial optimisation:

- Could OEM-equivalent performance be achieved at a lower total cost?
- Could cost per hour be materially reduced without affecting uptime?
- Could supply flexibility be improved?

The requirement was clear: Maintain 1400 operational hours. Improve total cost of ownership.



## RESULTS



# 73%

Cost reduction every  
1400 operational hours



# 1400 Hours

Matched Wear Life

## PROBLEM

MWP supplied a D10T Dozer GET kit as part of a structured performance benchmark. The kit included all corner tips and associated installation hardware, allowing for a direct like-for-like comparison against the existing OEM solution.

Performance was assessed against standard operating intervals, including:

- 700 hour trim interval
- 1400 hour replacement interval
- Total kit cost
- Cost per operational hour

The objective was to validate wear life equivalency while measuring total cost impact. MWP achieved a significant per hour reduction in operating cost, equating to an overall 73% saving per 1400-hour cycle.

## COMMERCIAL IMPACT

- Validated cost reduction without compromising wear life
- Reduced total cost of ownership
- Maintained predictable trim and replacement intervals
- Preserved operational uptime

## OUTCOME

Following the benchmark validation, MWP has been established as the preferred supplier for D10T Dozer GET for this contractor. Business is repeating for this machine type, with additional trials now underway across loaders and graders.

The project confirmed that OEM-equivalent performance can be achieved at a materially lower operating cost.