



ESCO MaxDRP™ Plus Ripper Replacement Teeth

PROFILE

Application: Construction
Commodity: Highly abrasive soil
Machine: Dozer
Make & Model: CAT D10

CHALLENGE

- Increase wear life of ripper teeth without adversely affecting penetration
- Utilize existing equipment

ESCO SOLUTION

- Replace R500A with PR500P MaxDRP Plus ripper tooth

RESULTS

- Wear life increased on average 87%
- Wear rate reduced on average 57%
- Wear parts cost savings on average 27%
- Production interruptions reduced 38%
- Exposure to injury risk reduced significantly

MaxDRP PR500P DELIVERS INCREASED PRODUCTIVITY AND WEAR LIFE

ESCO dealer Cutting Edge Supply identified a head-to-head trial opportunity for ESCO's MaxDRP and MaxDRP Plus ripper teeth at an abrasive site in Southern California. Two CAT D10 dozers were equipped with dual ripper shanks and each had been running a pair of R500A MaxDRP abrasion ripper teeth which provided satisfactory penetration and wear life. However, the customer sought to increase production in the extremely abrasive conditions.

Cutting Edge Supply recommended trialing ESCO's new hammerless MaxDRP Plus PR500P penetration ripper tooth on one machine. After the first set of teeth, the upgrade advantage was clear with increased wear life and productivity, and those results were confirmed by each of four subsequent sets of the PR500P tested in the 10-day trial.



Results show wear life was extended by an average of 87% using the PR500P tooth and the wear rate of available wear metal was reduced by an average of 57% as compared to the R500A. Over the 10-day trial period the customer consumed 16 R500A teeth and only 10 PR500P teeth. This resulted in savings on average of 27% on wear part costs while reducing exposure to injury risk. The number of interruptions to production required for tooth changes was reduced by 38% on the dozer running the hammerless MaxDRP Plus penetration ripper teeth. Switching to the MaxDRP Plus system delivered optimum productivity while reducing maintenance costs.