

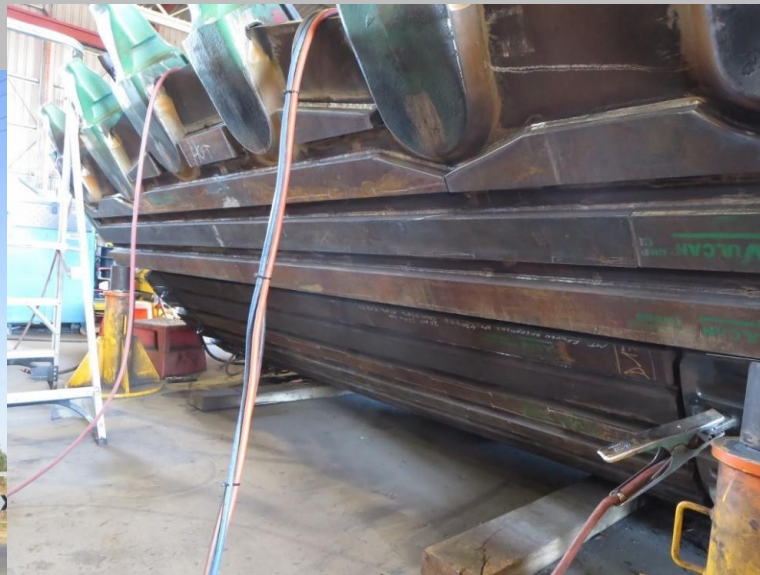


PC 3000 Hydraulic Excavator
Rock Bucket
ENDURA Wear Liner Kit
Extended Service Life
Case Study
2015 to 2017

ENDURA – Over 100% + Service Life Improvement vs AR450!

Evolution – Mount Rawdon Gold Mine – PC3000 Excavator Bucket

MT Rawdon Gold Mine - PC3000 Bucket Rebuild
Included a Complete
ENDURA Liner Kits Installation
CASE STUDY – Aug 2015



ENDURA Bucket Wear Liner Kits –Handle High Impact Abrasion

As Exemplified by the attached Gold Mine Rock Bucket service ref.

PC3000 Excavator Bucket with a full A months service in hard abrasive rock digging July 2015- May 2017

No Side wall liner / wear bars replacement OR major Repairs required to date with the bucket still in service May 17.

Previous bucket 450HB wear material replaced within 6 months



ENDURA Bucket Liner Kits deliver 150% additional service life compared to all 450 HB Wear Materials

**MT Rawdon Gold Mine – PC 3000 Bucket
Reline Material Cost Comparison Analysis**

450 HB Wear Plate

External & Internal
Side Wall Liner

16-20-25mm liner set

Internal Wear Bars

30 mm 75 x 3000 mm

External Wear Bars

40 mm 100 x 3200 mm

Adaptor Protectors

30mm liner set

Total Dipper Bucket Liner Cost Estimate

\$25 K

ENDURA

16-20-25mm liner set

30 mm 75 x 3000 mm

40 mm 100 x 3200 mm

30mm liner set

\$34 K



Removal and replace the liner kit only excluding wear plate supply

Full Reline Fabrication Cost / **\$ 75 K**





Mt Rawdon - PC 3000 Bucket - **ENDURA** Wear Liner Kit Business Case Summary

	450HB Wear Plate Liner Kit	ENDURA Liner Kit
Average Service Life	2500 – 3000 hours = 0.6 years	9850 hours = 2 years
Reline Material Cost	Full Internal & External Rebuild = \$ 25K	Full Internal & External Rebuild = \$34 K
Installation Cost Est	Including removal –forming –etc = \$ 75K	Full Internal & External Rebuild = \$ 75 K
Road Transport Cost	Wide load to Fabricator and return = \$ 5K	Wide load to Fabricator and return = \$5 K
TOTAL Cost	\$105 K	\$ 114 K
Annual LCC Cost based on average Service life of	0.60 yrs	2 years
Mt Rawdon Bucket Reline - Annual Budget allowance	\$ 175 K / bucket	\$ 57 K/ bucket
Mt Rawdon Maintenance Cost Reduction over the average 2 year C8000 Bucket Service Life is =	\$236 K	

ENDURA wear material *EXTENDS* your bucket service life by over 100%

Benefit Summary

- Increase bucket service life resulting in **REDUCED** mobile fleet maintenance costs
- Enabling site to develop liner set ups to best suit individual digger demands
- Reduced, if not removed the need for onsite repair or replacement of wear liners
- Cost effective installation supply in Liner kit form ready to install On or OFF site
- Improved bucket reliability and monitoring to enable ongoing process improvement

