



23 January 2016

Anglo American
Supply Chain
55 Marshall Street
Johannesburg
2000

Attention : Nashentha Naidoo
Category Manager

Initial Test Report Performance of Zirolflex™ Hard Chrome :

Impala Platinum BMR : IPV 80mm Ball valve Balls for Reconditioning - Medium : Nickel Powder @ 28 Bar

New ball and seat kit were replaced every 3-4 cycles at the Autoclave.

Life extension up to 15 cycles before replacing is needed.

Price new ball and seat kit - R 1100

Replacement every 3 cycles - R 1100 x 5 = R 5500

Repair cost to this ball - R 585

Replacement on a 3 cycle basis - R 585 x 5 = R 2925

Saving : R 5500 - R 2925 = R 2575.00 per ball.

Lasts 4 x times longer than a new ball.

Mpact Paper : Reconditioning of Segment Ball valves - Medium : Paper

1x 150mm valve lasts 3 - 4 months

Valve was replaced after 25 months of service.

Price new valve - R 29 500.00

Replacement on a three monthly basis = R 59 000 (2 x valves) every 3 months

Repair costs to this valve - R 15 800.00

Replacement on a 3 monthly basis - 8 x R 59 000

Saving of R 472 000.00 on one valve.

Lonmin Platinum : Reconditioning of Valve Plugs Hasteloy C 276 material / Acid and Wear
Normally lasts 3 months.

Life extension to 18 months before replacing.

Price new 3" plug = R 48 000.00

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Relacement on a three monthly basis - R 48 000 every 3 months = R 192 000.00 per year.

Repair costs - R 18 500.00

Saving : R 192 000 - R 74 000 = R 118 000.00 over 18 months per plug.

Should you require any further information please contact Francois Marais for assistance.

Kind Regards

A handwritten signature in black ink, appearing to read 'Francois Marais', with a small flourish at the end.

Francois Marais
Managing Member
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