


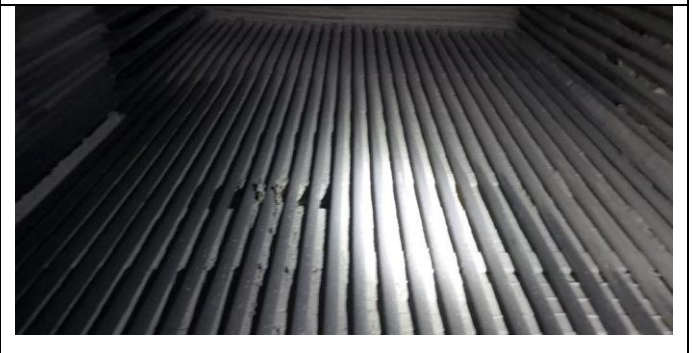
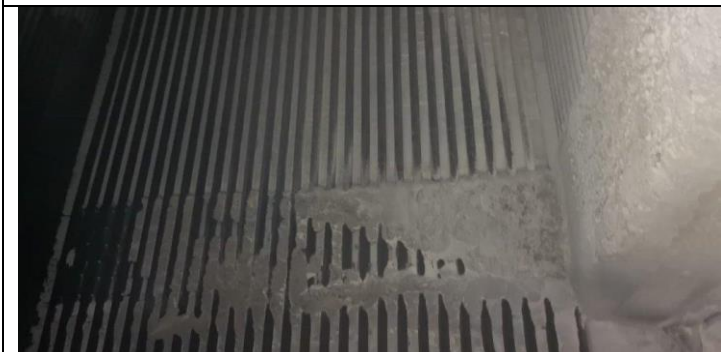
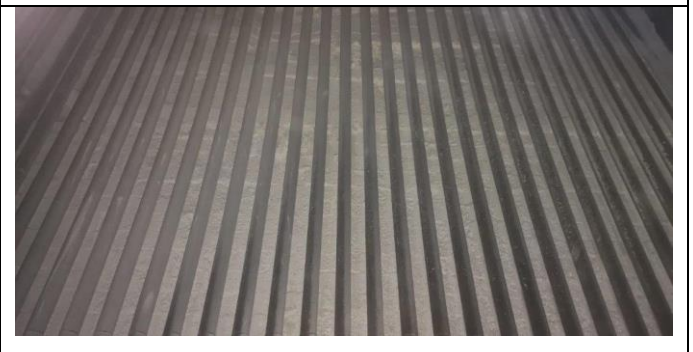




**SAPEC AFRICA (PTY) LTD**

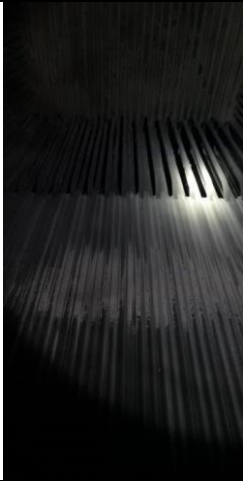
*Client Report example for Refineries category*

**RE: SAPEC DOSING BOILER NO 6 3 MONTHS RUN PERIOD**

	
Combustion chamber wall	Front wall, side walls and roof tubes
	
Rear wall	Right hand side wall
	
Left hand side wall, typical clinker formation at approximately 2½ meters high	Right hand side wall upper

**SAPEC AFRICA (PTY) LIMITED**

Physical Address: 164 Maroela Street, Doringkloof, Centurion 0157  
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Entry to Superheater free of blockages and scale



Superheater entry no 1, see remnants of incomplete removed scale, no new scale formation





Superheater entry no 2, paper thin deposition removes with a plank



Video of removal available



Superheater entry no 3, powdery deposition can be easily removed	
	
Other areas of Super heater shows no heat transfer or hard bonded scale problems.	Remnants of previous fire side scale not removed completely

### Conclusion & Recommendation

The condition of Boiler no 6 clearly shows that a combination of good operational practice and a highly effective combustion catalyst program and meticulous coal and ash monitoring ensures very efficient steam generation for this Boiler. As can be clearly seen the SAPEC product is an excellent investment in Boiler availability and the minimisation of down time and abrasive cleaning methods. This is apart from the downstream positive environmental impact the product has on emission.

**The effect of boiler fouling on the heat transfer rate is illustrated below.**

Thickness of Deposit	1mm	2mm	3mm
Reduction in Heat transfer Coefficient.	10%	25%	45%
Estimated increase in fuel consumption	2.5%	4.5%	8.5%

Should you require any further information please do not hesitate to contact me.

Yours sincerely

A handwritten signature in black ink, appearing to read "Paul Combrink", written in a cursive style.

**Paul Combrink**

Director