

## **SYMPOSIUM PAPER**

# **REALISTIC SIZING AND WASHABILITY DATA FROM SLIM CORES**

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### **ABSTRACT**

This paper describes the results of several evaluations into the effects on particle breakage and resultant sizing and washability data from different treatment techniques. Two case studies have been presented. The first comprising the testing of an LD core and two slim cores drilled in close proximity for the purpose of treatment procedure design. The LD core and one of the slim cores were treated using drop shatter and wet tumble techniques. The remaining slim core was treated using the existing core testing procedure. The second case study is an evaluation of a range of LD cores being compared to their nearest neighbour(s).

The modified treatment techniques, as well as the different size and washability distributions are discussed in this paper. Further, aspects of maceral composition are presented. From the data presented and other industry experiences with similar programs, this paper highlights that successful particle liberation processes can be achieved in slim cores, comparable to that of LD cores.

**METALLURGICAL  
CONSULTANTS**

#### **Reference:**

Meyers, A., & Leach, K. (2000). Realistic Sizing and Washability Data From Slim Cores. In J. Beeston (Ed.), *Bowen Basin Symposium - The New Millennium - Geology Proceedings* (pp. 365-370). Rockhampton, Qld: GSA Coal Geology Group.