

## FORM-COKE REACTIVITY AND IT'S EFFECT ON BLAST FURNACE OPERATION

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A study was carried out to compare the effect of carbon reactivity on the operation of commercial iron blast furnaces. Two cokes, produced via by-product oven technology with a relative reactivity in carbon dioxide of one where contrasted with a carbon reductant produced as a form-coke briquet from an Intermountain, noncoking coal with a relative reactivity of twenty. The work was carried out both in a British and an American production blast furnace operating under commercial conditions across a protracted period. The information obtained by reflectance analysis offers an explanation of what appears to be an advantage for high reactivity form-cokes.