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HIGH PELLET RATES IN ARCELORMITTAL TUBARÃO BLAST FURNACE 3

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In January 2024, due to the shortage of sinter, ArcelorMittal Tubarão was faced with challenges never faced in the company's history in the operation of blast furnaces. Besides reactors performance, there were other impacts in peripheral areas (Ore Yard, Coke Plant and Steel Plant) such as inventory control, logistics supply of raw materials (sinter/fluxes/pellets and ores), hot metal quality control for Steelmaking. Controlling the burden distribution in blast furnace with pellets rate consumption higher than 90% was a challenge and required a long learning curve, as well as constant changes in the production rhythm, auxiliary fuel injection rate and fluxes consumption. This paper describes the main operational results of Blast Furnace number 3 of ArcelorMittal Tubarão during this whole period and the countermeasures adopted to mitigate the negative effects in this scenario.

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