

MEASURING MOISTURE IN ALUMINA HYDRATE

Application Note

SN: 06-013

Customer

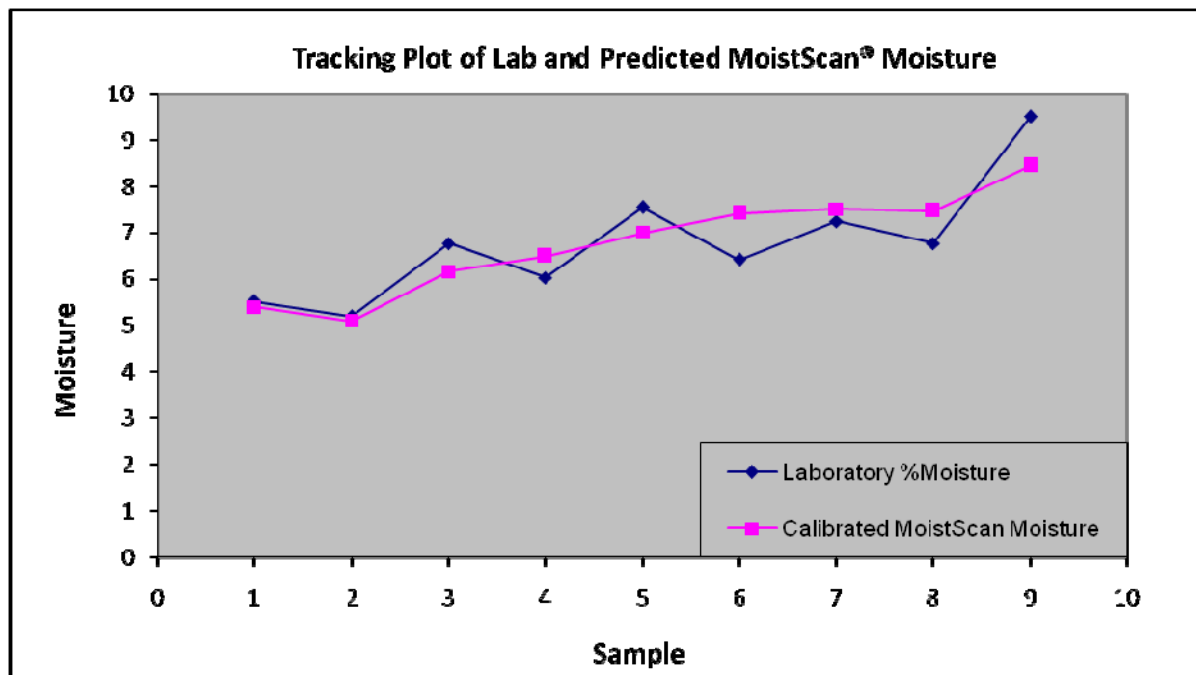
Our customer, based in Australasia is a leader in the aluminium business. They are a large producer of bauxite, alumina and aluminium.

Installation

Two MoistScan[®] MA-500 moisture analysers are installed on two parallel conveyors running between the filters and the calciner.

Benefit

The analysers are used as a key performance indicator for the filters and as feed-forward control to the calciner to optimise fuel consumption of the calciner while maintaining a consistent product.



Application Summary

Material	Alumina Hydrate
Instrument	MA-500 Moistscan Series 1 & 2
Location	On Conveyor
Bed Depth	400mm
Particle Size	N/A

Moisture	4-8%
Belt Speed	3.2 or 2.2m/s
Temperature	Ambient
Precision	0.2%
Use	Moisture monitoring and control of calciner