

Apasco Cement Company  
S.A de C.V  
Tecoman Plant  
Mexico



Fuel: Bunker

Machine/Type: Furnace

Test: Fuel Efficiency

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Xp Lab, Inc.

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## OBJETIVE

Look for alternatives to reduce the cost of thermal energy in furnaces. Run a test using Xp3 fuel additive.

## TESTING

It was necessary treat the entire fuel oil tank. Dosage used was 1 liter of Xp3 to 4,000 of fuel oil.

The additive treatment began on 13 October at 23:00 hrs. and was adjourned on November 30. The total length of test was 48 days.

Xp3 was added directly at the time when the fuel tankers were discharging the fuel into the reception pit, which was then further pumped into the storage tank.

The base point for the additive's evaluation has been set with a production and thermal consumption of 1 of 3,343 MJ/t ck.

## RESULTS ANALYSIS

From the 34 bits of data gathered during the test, the period of when the heat consumption of the oven 1 was more stable was taken, which was the data the 14th, 15th, 16th, 17th, 18th, 19th, 24th and 25th of November. It resulted in a heat consumption of 1 of 3,233 MJ/t ck, with a production of 2,889 t ck/d; both values are averages and weighted from the data taken.

## CONCLUSIONS

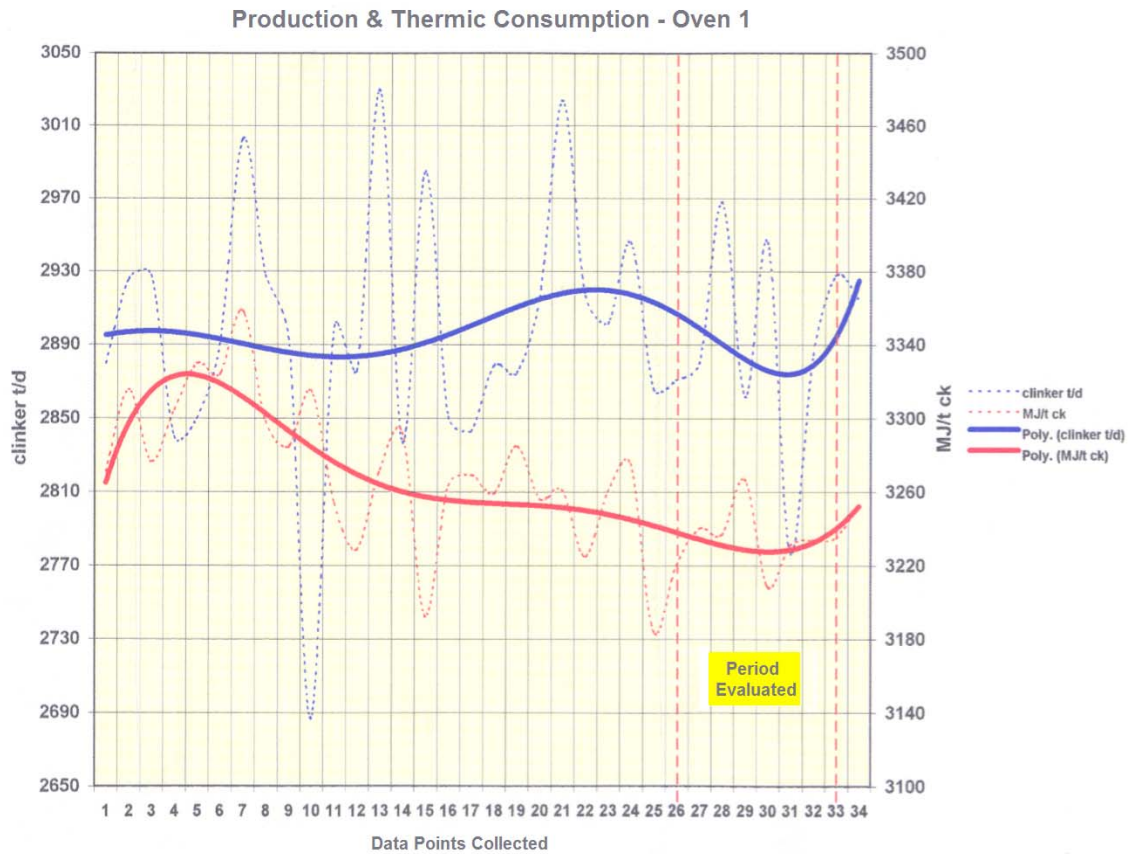
The percentage of savings achieved during the period of stability of the oven's heat consumption was 3.29%, and considering the total data collected, it was 2.57%.

# CASE STUDY



## EXHIBIT

Graph of heat consumption during the test period:



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