



Apollo



Salamanca Refinery

Complete solutions that are applied throughout its value chain



SITUATION

In August 2000, Apollo was awarded a contract to stop the corrosion and blistering of the primary and catalytic plants of the Antonio M. Amor Refinery, in Salamanca, Guanajuato. The equipment in question showed general corrosion, while the level of salt in the processed crude oil was excessive.

SOLUTION

To correct this, Apollo devised a meticulous plan of action. Fixed operating monitoring routines, crude oil and sour water sampling were established, which were complemented by technical visits and meetings with clients. Staff who were permanently available were sent to the work center.

What defined the success of the project was that the measurement of both the salt parameter in crude oil and the pH in sour water was carried out every two hours to identify variations that could be solved immediately. Thus, in the first review of results, it was observed that the equipment had excellent operating conditions.

Against this background, in 2005 blistering and corrosion of the catalytic plant of this same refinery began to be attacked. This time we sought to control three variables: hydrogen blistering, recharge of corrosion inhibitors and the increase in the frequency of physicochemical analysis of the results. From the beginning of the project to its conclusion, the equipment was always kept in the conditions required for crude oil processing.

The success of these two cases allowed Apollo to consolidate itself as a solution provider for the rest of the national refining system. Today, the company has work centers in the other five refineries that exist in Mexico.

That is why, despite the fact that both treatments concluded in June 2014, Salamanca will always have a prominent place in the history of Apollo.

If you want to know more about this and other services that Apollo offers, please contact our experts who are ready to satisfy your production needs.





EXPERIENCE

MONITORING,

crude oil and sour water sampling every two hours



SOLUTION

to the problems of corrosion and blistering of the primary and catalytic plants



SERVICE

to the six refineries that exist in Mexico

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