



CIA Inspection Inc.

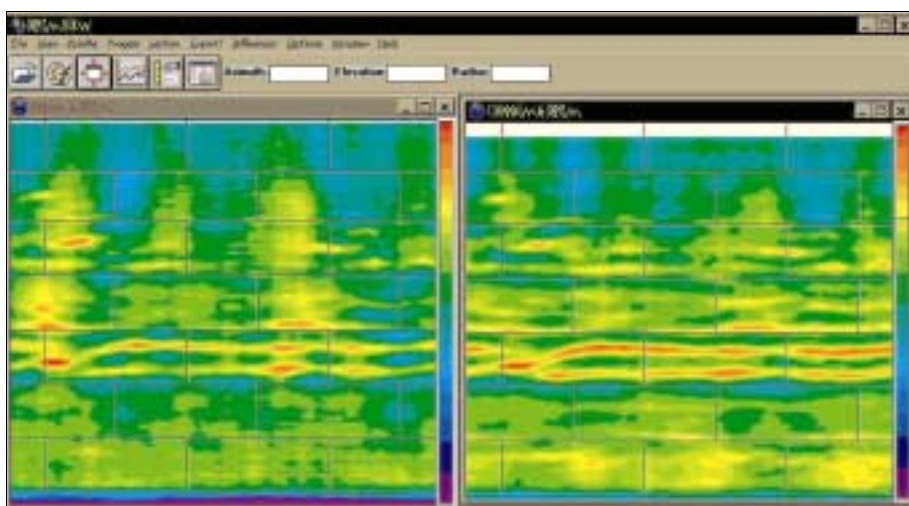
Volume 1, Issue 3

August 1999

The Profiler

A NEWSLETTER OF INFORMATION FOR COKE DRUM OPERATORS

New Features in Drumview Software



Drumview image of two laser scans done three years apart viewed on the same screen. The customer can see how they compare from year to year.

these changes in regards to their own operating practices or the age of the vessel.

This new tool will also be useful to sites where one scan has been performed but there are several drums that need to be evaluated. They will be able to see all of their drums on the same screen and see how each drum differs.

As part of our customer service commitment, we are offering this free upgrade to any of our customers who have performed CIA's service over the last few years. However, if you have performed a scan in the last five months, you already have this version of Drumview. Please call Jacqueline Cameron at 905-312-4803 or Rick Clark at 905-692-3678 for more information regarding your free upgrade of Drumview.

In the last several months, CIA Inspection has enhanced both our inspection systems and the tools our customers use to view their drum images.

Recent changes to Drumview, CIA's customized image viewing software, allows the customer to view multiple images at the same time. This is of par-

ticular interest at sites where we have performed multiple drum scans over several years.

Operations and inspection personnel will visually be able to compare their scans from year to year. This will more accurately allow them to see how much their drums have changed and assess

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Coking Corner

In each issue, we would like to start dedicating a small section to discuss "COKE" and some of the interesting information we have learned about this product or the world of delayed cokers. Any interesting tid-bits of information, please call Jacqueline Cameron at 905-312-4803.

NEXT ISSUE - WHAT IS NEEDLE COKE?

CIA Inspection (US), Inc.

We have now opened a US office to serve all our customers better.

The address is:

13800 Westfair East Drive
Houston, TX
77041-1101

Call Rick Clark at 905-692-3678 for more details.

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CIA is Kuwaiti Bound



Famous "Towers of Kuwait" - the bulbous one on the left is a water tower containing 1, 000, 000 gallons of water.

KNPC is a state-owned company with roots back to 1934, when British Petroleum and the Gulf Oil Corporation of America formed an operating unit - the Kuwait Oil Company. By 1980, Kuwait's oil output was ranked seventh in the world. Oil revenues account for over 95% of the country's total income.

At the north western point of the Arabian Gulf, Kuwait is surrounded by Saudi Arabia on the southwest side and Iraq on the north and west, with Iran across the water of the Gulf.

The State of Kuwait was originally referred to as "Qurain" (or Grane) which is derived from the Arabic words "Qarn" which means a high hill and "Kout" which means a fortress.

The population of Kuwait is more than 1.5 million people. Its official language is Arabic, although English is frequently used commercially.

Kuwait has a desert climate of extreme temperatures with maximums each year in excess of 50°C. During June and July Kuwait experiences some of the most spectacular sandstorms that sometimes last several days.

CIA Inspection will soon expand its international client list to include coke drum inspections for the Kuwait National Petroleum Company (KNPC) at their Mina Abdulla Refinery in Kuwait. This 231,000 barrels per day site has eight delayed coke drums.

What's Next for CIA's Service

CIA Inspection is embarking on another endeavor to further enhance its services for evaluating delayed coke drums.

We have contracted with experts in structural analysis to assist us in developing software tools that will automatically generate finite element meshes from coke drum laser scan data and perform finite element analyses. Such analyses will provide quantitative information on drum wall stresses and stress concentrations. As with our current bulge maps, CIA will provide a software viewer for reading the stress analysis results as a "stress map".

This development is the first step towards offering a complete Level 3 assessment of coke drums per the proposed API 579 Recommended Practice for Fitness-for-Service. For more information, please contact Rick Clark at 905-692-3678 or Daryl Rutt at 705-741-6336.

Getting an Education...About Coke Drums



CIA Inspection recently had the chance to do some community outreach. Rick Clark visited his son's grade one class and gave them an education on coke drums. He also took the opportunity to do some free advertising and promoting!!!

Web Site Gets a Face Lift

If you haven't checked out our web site lately - you should! We've made some very interesting changes and we always welcome your comments!!! You can find us at www.cia-inspection.com.

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