



CIA Inspection Inc.

Volume 1, Issue 2

April 1999

# The Profiler

A NEWSLETTER OF INFORMATION FOR COKE DRUM OPERATORS

## New Enhancements for CIA's Service

In an ongoing effort to enhance both service and deliverables, CIA Inspection is creating a new reporting format that will become part of the standard inspection service.

Building on the significant set of data collected and archived over the past 4 years (nearly 200 inspections to date), CIA Inspection is developing methods to extract significant performance trends for the various metallurgy's used in the construction of delayed coke drums.

Relating elements such as numbers of cycles with profile distortion, CIA will be developing industry curves for each of the 4 major material types that make up the world population of coke drums.

With this new capability in hand, CIA will be able to position your particular drums on a curve representing the experiences of other sites with a common metallurgy.

Operations personnel will be able to compare their specific site experiences with the general population of similar vessels.

This additional tool will allow customers to more accurately assess the impact of their specific operating practices with those of the generic population to determine if their experiences are better or worse than similar vessels at other sites.

To further augment this new development CIA Inspection is pleased

to announce the arrival of Mark Anderson, a certified API Inspector.

Mark will be evaluating the results of both the laser profile and the video inspection for each vessel. Mark's assessment will accompany a final report that will give your inspection department an independent and expert assessment of their coke drums.

These new features of CIA Inspection's service combined with enhanced Drumview software will provide CIA's customers with a strong, non-evasive set of tools to monitor and evaluate the condition of their coke drums over their useful life.



### Welcome Aboard

Mark Anderson has joined the CIA Inspection team. Mark has 21 years of experience in inspection, quality control, quality assurance and non-destructive testing in the petro-chemical, electric power, steam generation, pressure vessel/piping/structural steel fabrication and field erection, mining and the pulp and paper industries.

Mark currently holds API 510 and 653 certifications and for the last 12 years has been in a supervisory, co-ordination and lead inspector role for the above industries. He will be participating in field work as well as bringing a more technical focus to CIA's interpretation of the laser scan results and video inspection.

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## Second System Operational



*Second inspection system is ready for action*

CIA Inspection has been very busy in the last few months. A second inspection system is now operational and will allow CIA to improve its response time and availability of service both within North America and internationally.

This second unit will provide CIA Inspection with the capability to ship the unit to a specific site well before the intended inspection date.

This new feature should be of particular interest to sites where cycle times are so short that the 4-hour window normally required for our inspection is not available. These sites tend to schedule our inspection around outages such as heater decokings.

Because these events are notoriously variable in timing, having

CIA's inspection system parked on site will provide our customers with significant flexibility.

Once the timetable has been fixed our crew can arrive on site within 24 hours of notification. This new capability offers our customers more options when considering inspections for refineries that are on a tight operation's schedule or short cycle times.

Both systems have now been updated to operate internationally accommodating the wide variation in electrical service that is common throughout Europe and the Middle East.

One such recent requirement occurred at the Conoco Refinery in Humber, England. In the fall of last year, CIA Inspection had the opportunity to perform a laser scan and video inspection of the coke drums at this refinery. CIA Inspection had no technical problems with the different electrical requirements and all aspects of the inspection went very well.

Now with two inspection systems, CIA Inspection can perform a laser and video inspection anywhere in the world while continuing to service the core North American market.

## Y2K Compliance



CIA Inspection has had numerous inquiries in the past few months with regards to Y2K compliance and our laser scan viewing software Drumview. CIA Inspection takes the issue of "Y2K" or "Year 2000" compliance seriously, and has investigated the implications of the Y2K problem as it applies to all aspects of our business.

Please be advised that all versions of CIA Inspection Inc.'s laser scan viewing software "Drumview" are Year 2000 compliant. Drumview stores all dates as full 4-digit years, and will correctly handle dates and date calculations on, about, or after January 1, 2000. Furthermore, to the best of our knowledge all internal computer systems and software used by CIA Inspection Inc. are Y2K compliant and will function without problem after January 1st, 2000.

If you should have any questions regarding Year 2000 compliance, or any other issue regarding our software, please call our Technical Support line at (905) 692-3678, or consult our web site at [www.cia-inspection.com](http://www.cia-inspection.com).



*Rick Clark, President of CIA Inspection, at the fall API conference in Orlando with Chip (or Dale).*

## See you in Chicago

CIA Inspection will once again be co-hosting an evening reception on Monday, April 26 at the 64th Spring Refining Meeting of the API in Chicago. Rick Clark, Jacqueline Cameron and Mark Anderson will be present at the conference. Drop by the CIA Inspection table and meet some of the team.

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