

NEWSLETTER

Asia • North America • South America • Middle East • Australasia • Africa • Europe

Issue 4, Year 2009

New Products

MYRKOS *Portable DGA MicroGC* **Myrkos Field Package**

Built for predictive maintenance, the Myrkos Portable DGA MicroGC comes with a wide variety of accessories appropriate to all circumstances. Clients can choose between 2 configurations: Field or Lab, or create their own package according to their needs.

The Myrkos Field Package is ideal for remote site work. It features a watertight ruggedized carrying case with retractable handle and wheels, a field module, and a Shake Test syringe carrying case. The extreme duty carrying case is designed to include Myrkos and all the accessories required to perform DGA in the field, including the Myrkos Portable Controller.

With full features and ease-of-use, the Myrkos Field Package meets your needs of today and into the future.



MYRKOS PORTABLE CONTROLLER



Lightweight and pre-configured with PPMreport and additional Morgan Schaffer technical documents.

SHAKE TEST SYRINGE CARRYING CASE



Holds up to 6 Shake Test[®] syringes, empty or filled with transformer oil.

MYRKOS FIELD MODULE

Provides 30 hours of gas autonomy when using the instrument in the field.



New Products

MYRKOS *Portable DGA MicroGC* Myrkos Lab Package



The Myrkos Lab Package offers the powerful combination of our Myrkos DGA MicroGC with a Syringe Shaker to deliver enhanced performance and sample throughput.

Supplied with PPMreport and the optional Transformer Oil Analyst software, the Myrkos Lab Package provides an integrated solution to generate and manage DGA results, and to transform them in useful transformer diagnosis.

Myrkos' unequalled speed, precision and accuracy will allow your laboratory to use its resources optimally and to operate at the lowest possible costs per sample.

The Myrkos Lab Package includes a desktop helium manifold that delivers precise gas flow for preparation of Shake Test oil samples.



DESKTOP HELIUM MANIFOLD

Connects to the existing helium supply to deliver precise gas flow for preparation of Shake Test oil samples.

SYRINGE SHAKER

Designed for higher sample volume, the Syringe Shaker ensures efficient and automated headspace gas extraction in minutes.



Foreword



In our last Newsletter, we introduced our improved MYRKOS that additionally measures oxygen and nitrogen. Success hit us from a surprising angle: utilities laboratories wanted to test the MYRKOS for routine DGA in the lab. Why not?

Results were so impressive we decided to offer two fully packaged MYRKOS solutions: the MYRKOS Lab and MYRKOS Field packages. Isn't it one good way of ensuring that results are precise and accurate throughout your organization?

2008 was an astonishing year for Morgan Schaffer. Our people worked on several projects where not only instrumentation but extended solutions had to be supplied and implemented. This experience showed us that protection of oil-filled electrical equipment is really process based.

As such, utilities personnel and Morgan Schaffer get best results when they are an integral part of these processes. This means that if you do not have an in-house laboratory, we might fit right into your routine oil testing process. Contact us to see how new on-line software can help you avoid all these mistakes filling sampling tags!

When implementing on-line monitors, include training as an essential part of your projects: if sub-station personnel better understands the technologies they use, they will react properly on a fault on-set. Finally, portable and on-line instruments should be checked yearly by a third party for proper operation and proper measuring status. Parameters such as solubility coefficients may vary for different oil types. As experts in the field, we are probably the best people to assess your instruments measuring performance.

It's a pleasure to work with all of you and we hope you enjoy reading this first issue of our Newsletter for 2009.

Sincerely,

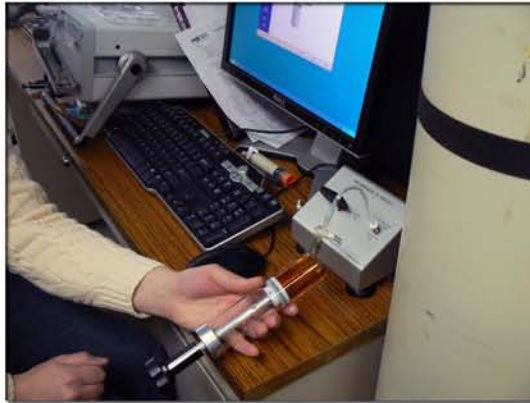

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MAXIMIZING LAB EFFICIENCY: Myrkos Lab Package at Rochester Gas & Electric

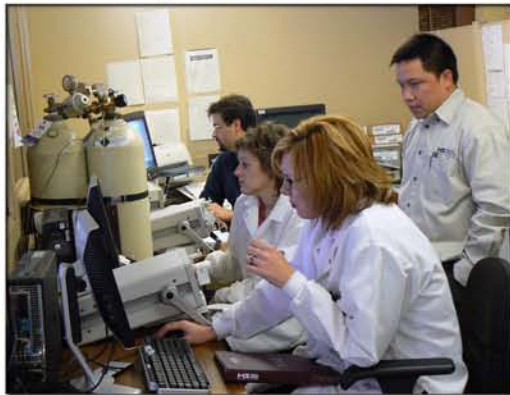
Rochester Gas & Electric* was successfully using two TFGA-P200 analyzers from Morgan Schaffer since the late 90s to process DGA samples. In 2008, Morgan Schaffer proposed to upgrade these instruments to its new Myrkos MicroGCs in order to take advantage of their enhanced ease of use, precision and accuracy. RG&E showed interest in the proposal, but wanted optimal efficiency. Working in partnership with Morgan Schaffer's engineering division, the RG&E lab team provided feedback that led to the development of the Myrkos Lab Package.

As the lab is processing between 4 and 20 DGA samples daily, the use of a «syringe shaker» was a priority to free technicians for more value-added tasks. Being able to detect and quantify oxygen and nitrogen was also critical. Based on these requirements and because of the new analytical capabilities of Myrkos, Morgan Schaffer's engineers and scientists developed the Syringe Shaker and Air Method.

As the new solution was implemented, no aspect was left unattended by RG&E and Morgan Schaffer. As RG&E's technicians already had expertise working with similar equipment, the training focused mainly on assessing the differences between the new Myrkos instruments and RG&E's older TFGA-P200 analyzers.



Easy access to built-in diagnostic tools in the PPMreport instrument interface generated very positive feedback as RG&E engineers sometimes need guidance regarding the interpretation of test results. As RG&E's laboratory currently uses the Transformer Oil Analyst software for diagnosis, the automated transfer of tests results from Myrkos' PPMreport to TOA is well appreciated and enhances further the lab's team productivity.



To conclude, what started as a customer-supplier team effort to develop an innovative, tailor-made solution, became today's Myrkos Lab Package, a solution suitable for a wide base of oil testing laboratories around the world.

*Rochester Gas & Electric is a wholly owned subsidiary of Energy East Corporation, deserving more than 360,000 electricity customers and 297,000 natural gas customers in a nine-county region centered on the city of Rochester in upstate New York, USA.

Acknowledgement

Morgan Schaffer would like to thank the entire laboratory team at Rochester Gas & Electric for allowing us to publish this success story.



AGENT RECOGNITION AWARD - ENELEC



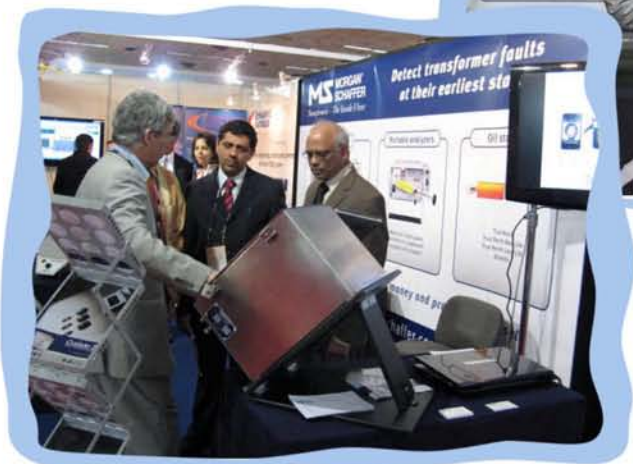
▲ Receiving Morgan Schaffer's Outstanding Sales Award, from left to right: Eng. Erick Alvarez, Eng. Mario Pineda, Mr. Richard Bérubé, and Enelec's Director, Dr. Enrique F. Aguilar.

Morgan Schaffer recently had the chance to discuss strategy with its most performing agent worldwide, Energía Eléctrica Económica S.A. de C.V. (ENELEC) in Mexico. This was a great opportunity to underline the outstanding work performed by the ENELEC team over the years and to praise Eng. Erick Alvarez Brito for his unequalled performance as a Project Leader for the Calisto product in 2008.



▲ Eng. Erick Alvarez receiving Morgan Schaffer's Elite Award. From left to right: Eng. Mario Pineda, Mr. Richard Bérubé, Eng. Erick Alvarez and Enelec's Director, Dr. Enrique F. Aguilar.

EVENTS



GRIDTECH 2009 - NEW DELHI

Morgan Schaffer's team has been very active this year. In January, we travelled to New Delhi, India to attend the GRIDTECH 2009 International Exhibition and Conference. All the big players were there and the show had a great attendance. Our Myrkos Portable DGA MicroGC, the only portable analyzer on the market capable of measuring oxygen and nitrogen in addition to the seven fault gases, was a hit and we took the opportunity to actively introduce it all over India.

Within the crowd visiting our booth, 2 attendees won an iPod Touch. The lucky winners? Mr. Anshuman Tandon of Powergrid India (pictured here with Mr. Richard Bérubé) and Mr. Subrar Ghosh of Saint-Gobain Glass.

It was a very successful experience for our team. We thank all who dropped by and we look forward to seeing you soon.



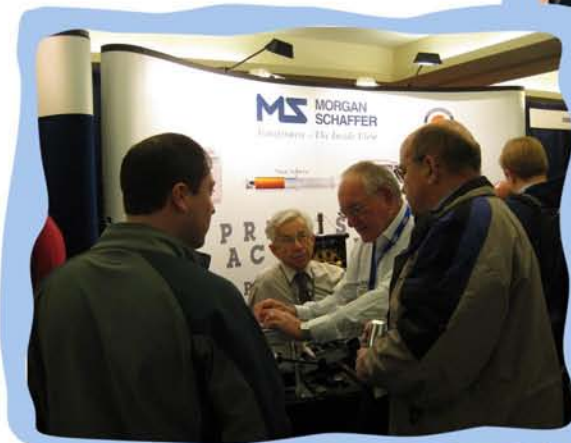
DOBLE 2009 - BOSTON

Our exhibiting at the Doble International Conference of Clients this year was, as usual, out of the ordinary!

Innovative product offerings such as the new Myrkos Field Package generated lots of attention.

This year, our famous Morgan Schaffer/Dynamic Ratings dinner had a Brazilian flair. We visited the Midwest Grill Restaurant for an unforgettable taste of Brazilian drinks, foods and rhythms. After a copious Brazilian rodizio and some tasty caipirinhas, our clients danced samba and played maracas accompanied by the band and samba dancers. Next year's dinner is on! Seats are limited, so reserve now. It'll be *the* event of the year!

We thank all attendees who dropped by our booth and our dinner guests for their participation. We look forward to seeing you in 2010!



Feedback is welcome

If you are interested in a specific product, need a quotation or have any other feedback, we'd love to hear from you! E-mail us at sales@morganschaffer.com