



CONTAINER OWNERS ASSOCIATION

## **4<sup>th</sup> COA Forum on Contaminated Refrigeration Machinery** ***Eliminating Contamination from Refrigerated Container Systems***

**Antwerp: Wednesday 28 March 2012**

***Organised in conjunction with the IICL Reefer Training Course***

### **Aims of the Meeting**

As part of its initiative to ensure global understanding of the issues relating to the current problem of counterfeit/contaminated refrigerants, the Container Owners Association is organising the 4<sup>th</sup> COA Reefer Forum for shipping lines and other relevant companies in Antwerp on Wednesday 28 March 2012. ***This meeting has been arranged in response to the request by a number of COA Members for further information and efforts to eliminate this problem.***

The intention of this Forum is to share information and assist in:

- protecting the safety of reefer service personnel, and others, involved in working with refrigerated containers in depots, in terminals and on vessels
- providing an update on the nature of the problems manifested in reefer containers
- achieving safe and certain identification of contaminated refrigerant supply
- achieving safe and certain identification of affected units
- evaluating repair methods for contaminated units
- improving global maintenance and repair processes to prevent recurrence.

The COA's main aim is to co-ordinate the information and initiatives presently being undertaken, and to allow the various industry groups involved in this matter to communicate with each other in an efficient and coherent way.

**Agenda:** The Agenda and Timetable for the Meeting is shown below. Further information from [secretary@containerownersassociation.org](mailto:secretary@containerownersassociation.org)

**IICL Reefer Container Training Course:** The Forum is being organised in conjunction with the IICL's Reefer Training Course (27-29 March 2012). Further information from [gdanback@iicl.org](mailto:gdanback@iicl.org)

### **• Venue for Conference Session (Morning and Lunch):**

Radisson Blu Hotel, Koningin Astridplein, Antwerp  
<http://www.radissonblu.com/astridhotel-antwerp>

### **• Venue for Demonstration Sessions (Afternoon):**

The venue for the demonstrations in the afternoon will be the following depot:  
Mega Industrial Engineering , Nietweg 10, Antwerp, B-2030 Belgium

**(A coach will be provided to transfer participants between the hotel and the depot)**

# 4<sup>th</sup> COA Forum on Contaminated Refrigeration Machinery

*Antwerp: 28 March 2012*

## **Morning sessions and lunch:**

Radisson Blu Hotel,  
Koningin Astridplein, Antwerp

## **Afternoon demonstrations:**

Mega Industrial Engineering,  
Nietweg 10, Antwerp

## **Agenda**

08:30 *Registration and welcome refreshments*

09:00 **Opening and Welcome from the COA**

*Bernard Isoard*  
*Chairman*  
*Container Owners Association*

09:05 **Introduction from Session Moderator and Review of Key Issues to be discussed**

- COA Meetings Statements: Anti-trust Statement and Disclaimer Statement
- Primary issues:
  - Risks to service personnel on vessels, terminals and in depots
  - Operational disruption to reefer operators – import restrictions / industrial action
  - Identifying and eliminating contaminated supplies of gas from the service network
  - Identifying clean and contaminated reefer units
  - ‘Certification’ of uncontaminated units that can be internationally recognized

### **Summary of the Incidents in 2011**

**Review of Chemistry - likely causes of explosions**

**Other industries’ experience with contaminated refrigerant**

**Fake Refrigerant Cylinders**

**Test Methods available**

**Testing and F Gas regulations in Europe**

*Mark Bennett*  
*Senior Vice-President*  
*Triton Container*

09:35 **Chemistry of contamination – Laboratory Tests**

**Investigation of failed units**

**Contaminated Unit - Damage Assessment**

*Carrier Transicold*

09:55 **Eliminating contaminated supply: Testing gas cylinders, taking samples from machines, testing samples with flame halide lamp.**

*Mike Baldwin*  
*President*  
*ConGlobal Industries, USA*

10:15 **Testing Reefer Machinery for contamination with Flame Halide Lamp**

*Keith Eade*  
*Technical Director*  
*Seaco*

10:40 *Refreshment Break*

11.00 **Taking gas samples from reefer machines**

*Marco Kramer*

*Holland Reefer Services, The Netherlands*

**Detector Tube testing of gas samples from machinery**

*Lars Van Ham*

*RAE Benelux, The Netherlands*

11.30 **Neutralising of Contaminated Reefer Machines**

*Speaker: to be confirmed*

11.40 **Initial Questions from the presentations**

12:00 *Transfer to Mega Depot for group A by bus*

*Lunch for Group B at Radisson Blu*

13:45 *Return to Radisson Blu and lunch for group A at Hotel*

*Transfer to Mega Depot for Group B by bus*

15:30 *Return to Radisson B for group B by bus*

**Depot demonstrations:**

- Samples from gas cylinders and testing with Flame Halide Lamp/Detector Tube
- Taking samples from reefer machinery
- Testing gas samples with Flame Halide Lamp test and Detector Tube

15:30 **Forum Discussion**

- Risks and procedures for testing samples from machines and machines
- Contaminated Machines – Repair or Replace?
- Managing contaminated units

16:30 **Goals and Objectives for the Industry**

- Testing programme for Refrigerant Supplies in depots and on ships
- Testing programme to identify 'clean' and contaminated units
- Certification system to satisfy international requirements

16:45 *Meeting concludes*

*Refreshments*

***This Agenda is given as an indicative schedule and is subject to change***

**4<sup>th</sup> COA Forum on Contaminated Refrigeration Machinery**  
**Radisson Blu Hotel, Koningin Astridplein, Antwerp**  
**Wednesday 28 March 2012**

**Registration Form & Hotel Booking Information**

**To register for the 4th COA Reefer Forum, complete & return this form to:**

Email : [kate@containerownersassociation.org](mailto:kate@containerownersassociation.org)

Fax: +44 (0)870 7620434

**Registration:** Both COA Members and Non-Members are welcome to attend the Meeting.

**Delegate Fee:**                    **COA Members €165 per person**  
    **Non-Members: €225 per person**

This fee includes the following:

- Conference Sessions, Lunch and Refreshment Breaks
- Participation in Demonstrations of Testing Procedures
- Copies of Presentations

**Please register the following delegates for the 4<sup>th</sup> COA Reefer Forum:**

Company Name .....

Invoice Address .....

.....

Delegate Name..... Position.....

Delegate Name..... Position.....

Delegate Name..... Position.....

Contact Email Address.....

VAT Number.....

**Payments:** After receipt of the Registration Form, the COA Secretariat will send out an invoice, together with further details and practical information.

**Hotel Information**

The venue for the Forum is the Radisson Blu Astrid Hotel, directly opposite Antwerp Central Station (<http://www.radissonblu.com/astridhotel-antwerp>). We have negotiated a special rate for participants at the Radisson Blu Hotel and the Park Hotel (its sister Hotel, located 100 metres away). To book a room, email Caroline Droessaert on [Caroline.Droessaert@radissonblu.com](mailto:Caroline.Droessaert@radissonblu.com)

**Radisson Blu Hotel:** €149 per night, incl breakfast • **Park Hotel:** €109 per night, incl breakfast