



## CONTAINER OWNERS ASSOCIATION

**Title:** Eliminating Contamination from Refrigerated Container Systems

**Venue:** OCWS, 12 Tuas South Street 2, Singapore 638039. Tel: +65 6863 1531

**Date:** Thursday 9 February 2012

**Time:** 09:30 – 16:30

### Proposed Agenda:

- 08:30 Registration and welcome refreshments
- 09:30 Introduction and Welcome from the Forum Moderator (Mark Bennett, Triton Container)  
COA Meetings Anti-trust statement  
COA Disclaimer Statement  
Summary of how the problem of contaminated refrigerants came to the industry and a review of the key issues:
- Risks to service personnel on vessels, terminals and in depots
  - Operational disruption to reefer operators – import restrictions and industrial action
  - Identifying and eliminating contaminated supplies of gas from the service network
  - Identifying clean and contaminated units
  - Implement 'certification' of uncontaminated units that can be internationally recognized
- 09:40 Update on Chemistry - likely causes of system damage and explosions  
(Mark Bennett)
- 10:00 Global car and bus air conditioning - experience with contaminated refrigerant  
(Mark Bennett)
- 10:15 Testing Service gas cylinders for contamination: eliminating contaminated supply  
(Mike Baldwin, President, ConGlobal Industries, USA)
- 10:30 Securing pure supply of new refrigerant from suppliers - Forum discussion
- 10:45 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 Testing samples from machines using Flame Halide Lamp Test (Mike Baldwin, ConGlobal Industries, USA)
- 12:00 Forum discussion
- 12:15 Lunch
- 13:00 Depot demonstrations:
- Taking samples from gas cylinders and testing with Flame Halide Lamp or Detector Tube
  - Taking samples from reefer machinery
  - Testing gas samples with Flame Halide Lamp test and Detector Tube
- 15:00 Break
- 15:15 Risks and procedures for testing samples from machines and machines - Forum discussion
- 15:30 Contaminated Machines – Repair or Replace? - Forum discussion
- 15:45 Managing contaminated units - Forum discussion
- 16:00 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
- 16:20 Closing comments
- 16:30 Meeting concludes