

TALKING FROG

DTI asked to speak at ATAC convention in Calgary



November 10, 11 & 12 the place to be for the aviation industry in Canada will be the ATAC Annual General Meeting and Tradeshow. Most of the relevant players in the industry will be there to exchange ideas and information. One of the key topics on the minds of all Canadian Civil Aviation certificate holders is the new Quality Assurance initiative that will soon become a requirement to continue to do business. In

an effort to educate their membership on the new requirement, ATAC has called upon DTI to present what the government will be looking for.

DTI is the Canadian Governments choice to bring the Transport Canada inspectors up to speed on how to evaluate a QA system. They have been given two years to facilitate this education and prepare the inspectors to begin the all important assessment process.

ATAC, in an effort to be at the forefront of preparing their membership sought out the "guys who are teaching the guys" who will be in our facilities, looking

at our systems.

Dennis and Sol have promised to show the ATAC membership that this upcoming requirement will not be a burden, but a blessing to their company. Their message will describe how companies who have adopted the principles of a good QA system have prospered and grown into leaders in their industry.

The best part of the message is that developing a good QA system is not hard and should not be all that expensive. In fact, they say that most responsible companies are probably already doing 85% of what is needed. This meeting is going to be good!

EVERY MONTH IN OUR NEWSLETTER

- ◆ Tips and new innovations in the Quality Assurance Field.
- ◆ What's happening at DTI?
- ◆ Anecdotes and more
- ◆ Answers to your questions



DTI and Skyservice Airlines to partner on Quality Assurance Training in Canada!

On December 1,2 & 3, Skyservice will hold a basic QA class and will open the enrollment to anyone interested in learning more about this very important topic, especially civil aviation companies in Canada.

To find out more about this training call the Skyservice Quality Assurance Dept @ (416) 679-5892



This month's QA topic - Corrosion Control....

Use It or Lose It!

.DTI, is now in the process of developing a corrosion control class for the Civil Aviation Inspectors of Transport Canada. Since we are in this process anyway, we decided to put forth a series of articles in our newsletter on the subject of corrosion. We hope you enjoy

it. What follows is a simple explanation of how corrosion occurs, what the different types are how problems can be solved. It is intended to be used by the non-expert to gain an initial appreciation of the subject before exploring further.

We have all seen corrosion and know that the process produces a new and less desirable material from the original metal and can result in a loss of function of the component or system. The corrosion product we see most commonly is the rust which forms on the surface

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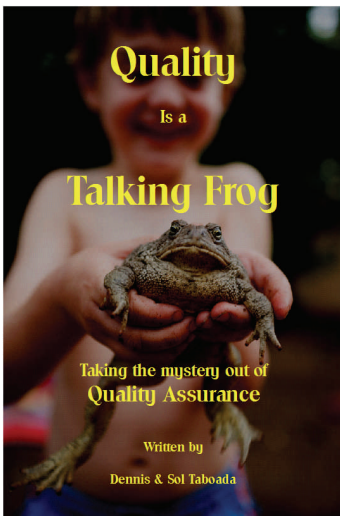
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To carry Coca Cola syrup (the concentrate) a commercial truck must use the Hazardous Material place cards reserved for
Highly Corrosive Materials.

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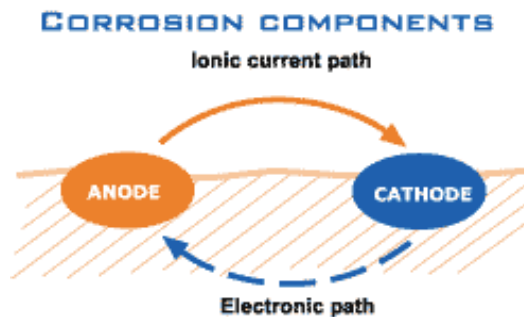
DTI IS AVAILABLE TO
ASSIST YOU IN YOUR
EDUCATION NEEDS!

- Needs Analysis
- Association Lecture Programs
- Training in all aspects of Quality Assurance
- more (visit our website)



Available at
Amazon.com or our
website by mid
November

Corrosion Control (cont'd)



of steel and somehow
Steel >>> Rust.

This series of steps tells us a lot about the corrosion process.

- (1) Ions are involved and need a medium to move in (usually water)
- (2) Oxygen is involved and needs to be supplied
- (3) The metal has to be willing to give up electrons to start the process
- (4) A new material is formed and this may react again or could be protective of the original metal
- (5) A series of simple steps are involved and a driving force is needed to achieve them

The most important fact is that interfering with the steps allows the corrosion reaction to be stopped or slowed to a manageable rate.

Here are some basics that we will explore a little deeper in future newsletters.

corrosion can be slowed or stopped by using the five basic facts;

- (1) Slow down or stop the movement of electrons
- (a) Coat the surface with a non-conducting medium such as paint, lacquer or oil
- (b) Reduce the conductivity of the solution in contact with the metal an extreme case being to keep it dry.

Wash away conductive pollutants regularly.

- (c) Apply a current to the material .
- (2) Slow down or stop oxygen from reaching the surface. Difficult to do completely but coatings can help.
- (3) Prevent the metal from giving up electrons by using a more corrosion resistant metal higher in the electrochemical series. Use a sacrificial coating which gives up its electrons more easily than the metal being protected. Apply cathodic protection. Use inhibitors.
- (4) Select a metal that forms an oxide that is protective and stops the reaction.

Control and consideration of environmental and thermal factors is also essential.