



CCQTA Update

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Houston
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CCQTA Background

The Canadian Crude Quality Technical Association membership consists of companies from multiple segments of the Canadian oil industry. The Association is established with the following educational and scientific objectives:

- *To facilitate communications among industry stakeholders*
- *To provide a forum for the presentation and consideration of proposals for industry projects related to any aspect of crude oil quality.*
- *To improve industry knowledge and awareness of crude oil quality through the cooperative exchange of technical information among industry sectors.*

CCQTA currently has 76 (international) member companies from 6 different sectors of the industry (Producers, Refiners, Midstream, Pipeliners, Additive Suppliers, Government Agencies, Labs, Others).

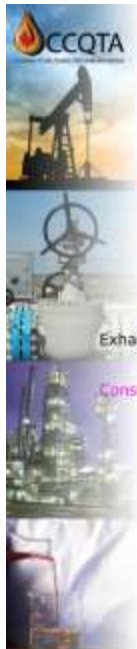
CCQTA Active Projects

1. Amines in Crude
 2. Condensate Quality Sub-Committee
 3. Crude Oil Compatibility
 4. Emulsion Characterization
 5. H₂S PVT
 6. Light Ends Characterization
 7. Pipeline Corrosion / Transmission Pipeline Sour Service
 8. Properties of Thermally Processed Material
 9. Toluene Insoluble Organic Material
-plus more

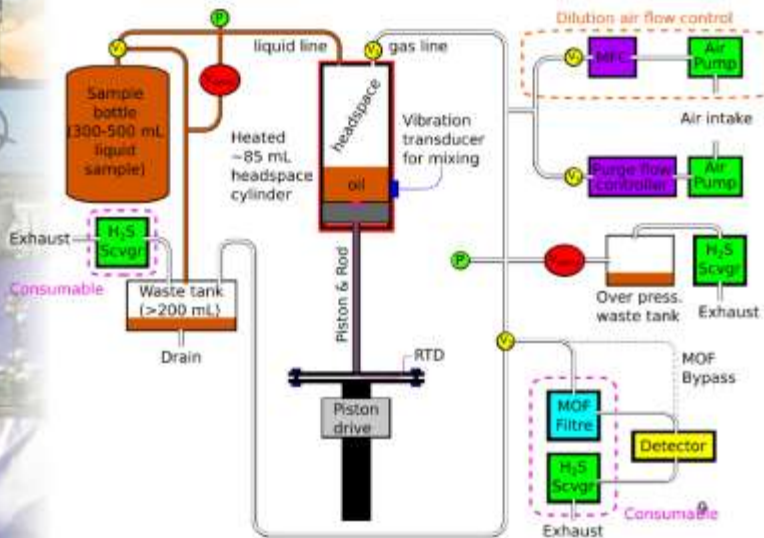
...and our very successful OPEN Forum

All members have access to all projects, and historical completed projects (TAN, Bitumen Processibility, RVP, Heavy Oil Manual etc...)

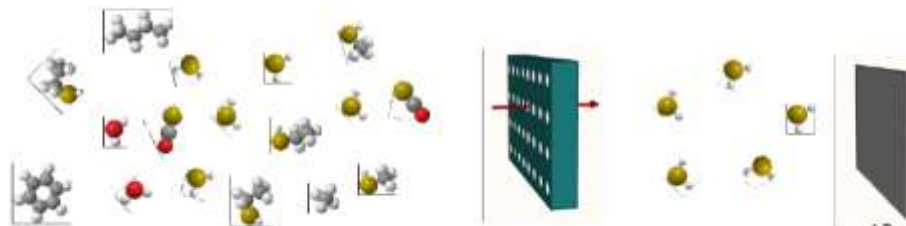
CCQTA deliver real results!



Vapor Liquid Separation System

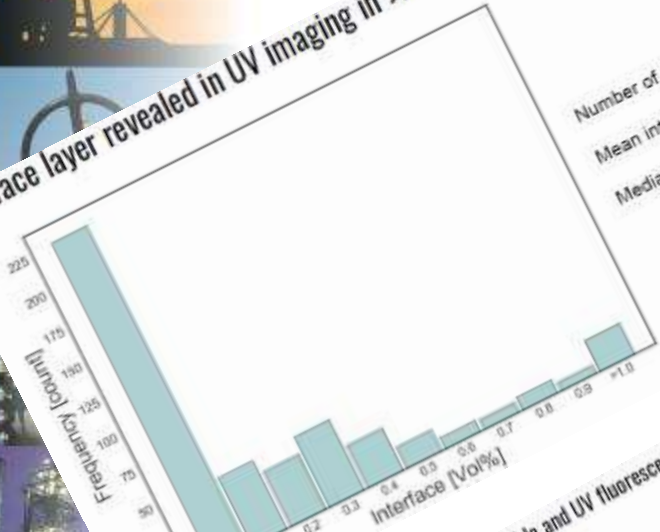


- Synthesize MOFs with narrow pores
 - Size exclusion of all components H_2S and smaller molecular diameter.



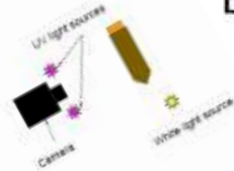
CCQTA deliver real results!

Interface layer revealed in UV imaging in >50% of samples

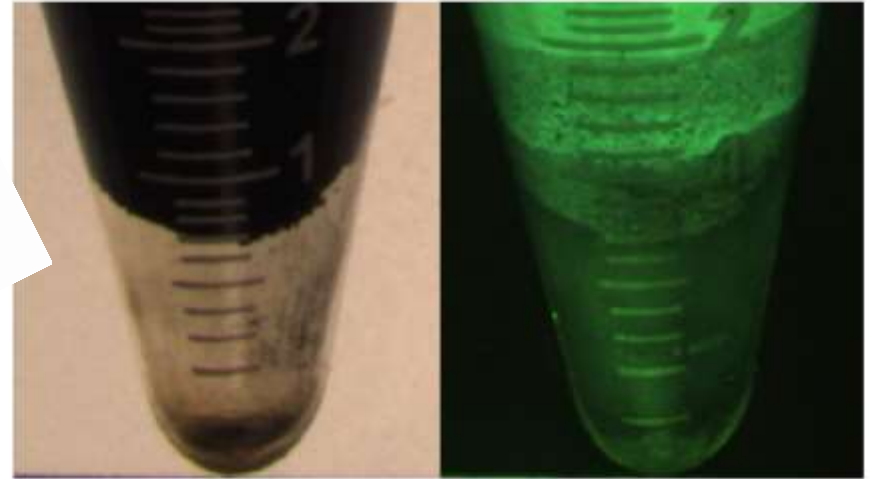


Number of samples: 462
Mean interface value: 0.308
Median interface value: 0.115

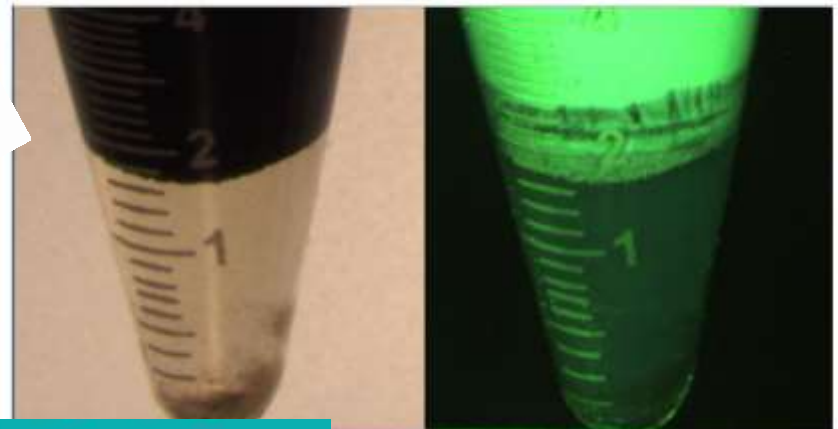
The Centrifuge Tube Reader with visible and UV fluorescence imaging



Emulsion Interface Seen in UV Images



Emulsion Interface Seen in UV Images



UV Fluorescence Imaging in Centrifuge Tests



CCQTA Crude Oil Flammability Report — PUBLISHED ***CCQTA Guideline for Obtaining Single-Phase Crude Oil S

- Home
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Crude Oil Flammability Report

publication added: 2013

This report summarizes the results of a project on crude oil flammability performed under conditions that were not previously reported. The characteristics of the flammability were determined and the relationship between the flammability and the crude oil composition was established.

[View Publication](#)

CCQTA Guideline for Obtaining Single-Phase Crude Oil Samples for Analysis

publication added: 2013

This guideline was developed to ensure consistent sampling procedures for crude oil samples used for analysis.

It is intended to help the industry to obtain samples which in turn will improve the quality of the data used for analysis.

[View Publication](#)

TAN Project Summary

publication added: 2013

This white paper provides a brief summary of the 14 year history of this project and findings.

The paper provides details what TAN is and how it impacts the crude oil industry. This includes testing methodologies and how TAN is often misinterpreted.

Test Methods

- [Additive Screening Method](#)
- [Organic Chloride Test Methods](#)
- [CCQTA - ASTM D664 TAN Method Modifications For Bitumen Samples](#)
- [CCQTA - Heavy Oil Methods Manual](#)
- [CCQTA - Olefins in Crude Oil by Proton NMR Method](#)

Reports

- [Bitumen Dewatering and Volumetric Correction](#)
- [Crude Oil Flammability Report](#)
- [Vapor Pressure Measurement Best Practice](#)
- [Bitumen and Diluent Blend Viscosity Model](#)
- [H2S in Crude Measurement Report](#)
- [CCQTA Guideline for Obtaining Single-Phase Crude Oil Samples for Analysis](#)
- [TAN Thermometric Testing Report](#)

White Papers

- [Recommendation for Organic Chloride Testing Coupled with Volatile Phosphorus Testing](#)
- [Response to Transport Canada Regarding H2S Proposed Threshold](#)
- [TAN Project Summary](#)
- [Temperature Correction of D7975 Field Vapor Pressure Measurement](#)
- [Letter to Industry Regarding Vapor Pressure and Light Ends Measurement](#)
- [Organic Chlorides - Contaminant Response Protocol](#)
- [Organic Chloride - Letter to Laboratories](#)

Calendar of Events

[View Events Calendar](#)

Join the CCQTA

[Download Application Form](#)

Membership Fees

[Pay Membership Fees Online](#)

Event Registration

[Register for Event](#)

Member Projects

- » [Amines in Crude](#)
- » [Bitumen and Diluent Blend Viscosity \(CLOSED\)](#)
- » [Bitumen Dewatering & Volumetric Shrinkage \(CLOSED\)](#)
- » [Condensate Quality Subcommittee](#)
- » [Crude Oil Compatibility](#)
- » [Crude Oil Flammability \(CLOSED\)](#)
- » [Emulsion Characterization](#)
- » [H2S PVT Project](#)
- » [Light Ends Characterization Subcommittee](#)

Visit website for publication updates
www.cctqa.com

Directors of the CCQTA

Name	Company	Sector Represented
Randy Segato	Suncor Energy	President
Scott Smith	Cenovus	Vice President
Gerald Bruce	GWB Consulting	Treasurer
Dave Murray	Omnicon Consultants Inc.	Secretary & Website Manager
Andre Lemieux	Omnicon Consultants Inc.	Technical Director
Shaun Serediak	Enbridge Pipelines	Director of Pipelines
Scott Blumenshine	Flint Hills Resources	Director of International Members
Chris Ryan		Director of Midstream
Ron Parise	Nalco Canada	Director of Additives
Derek Fraser	Maxxam Analytics	Director of Industry Services
James Johnson	Marathon Petroleum	Director of Refining
Charles Ward	Alberta Department of Energy	Director of Government Agencies
Dennis Sutton	COQA	Director - Crude Oil Quality Association
Scott McNally	Crescent Point Energy	Director of Production



CCQTA Key Contacts and next meeting...

Edmonton Dec 4-6 2018
dial-in possible



President

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Secretary

Dave Murray

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