



CCQTA Update for COQA meeting

Thursday November 8, 2012
New Orleans

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Agenda

1. Active Projects
2. Active Projects – What’s New
3. New Project Proposals
4. Project Participation List



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 Background

- CCQTA does not typically fund projects, but acts as a facilitator for projects
 - Provides meeting venues, phone and web-conferencing support, and third party accounting to project groups
- CCQTA currently has 70 member companies



CCQTA Active Projects

- Tan Phase IV
- Oilsands Bitumen Processability – Phase III
- Heavy Oil Compatibility – Phase II
- Phosphorus
- Condensate Quality – Phase II
- H₂S PVT – Phase II
- Emulsion Characterization
- Organic Chlorides
- Tan Method Testing – Phase II
- Crude Quality Tutorial



CCQTA Active Projects

What's new

- TAN - Phase IV
 - New autoclave debugged. Project now testing of samples
- OSBP – Phase III
 - Teck PFT, AHS, AMH & Peace Crude added to the sample matrix
- Phosphorus
 - Exploring the option of moving to a total P spec.
 - Preparing a detailed report of refinery incidents.



CCQTA Active Projects

What's new

- Condensate Quality – Phase II
 - More detailed testing of solids/particulates in diluent
 - Assessing capabilities of using a Heated Pressurized Liquid Injection System to complete full GC analysis of Condensates
- H₂S PVT – Phase II
 - Modeling completed, now assessing accuracy of model



CCQTA Active Projects

What's new

- Organic Chlorides
 - Assessing capabilities of ASTM D 4929 A/B for detecting Or-Cl
 - Alternate methods include ASTM D 7536 M (X-Ray), Combustion IC, GC-AED, GC -ECD
 - Track down reported source of Or-Cl in crude
- Tan Test Method – Phase II
 - Assessing effectiveness of Thermometric Titration (Metrohm) as an alternative to ASTM D664



CCQTA New Projects

- TVP/RVP
 - Project driven by TCPL & supported ADOE
 - Focus is on proper sample collection (no light ends loss)
 - Develop method for direct TVP measurement (forego RVP to TVP correlation)
 - Project direction has API support
- Dewatering and Volumetric Discrepancy
 - Project has six participants
 - Exploring distillation with pressure filtration for dewatering
 - Two modeling strategies being considered for volumetric discrepancy work



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