



January 5, 2009

CQI Report to Stakeholders

Subject: November 2008 Condensate Results

As of January 1, 2008, the Crude Quality Monitoring Project has modified its condensate testing program. We acknowledge that industry requirements and specifications are different for condensates than for other types of crude. As such, we have updated our condensate testing program in an effort to provide the industry with reliable, accurate, and usable information specifically relevant to condensates. We believe that this information will be valuable for numerous industry purposes, such as better blending data and formulating condensate specifications and guidelines. Should you have any questions regarding this report, or the modified condensate testing program, please contact Crude Quality Inc. at (780) 991-9900 or at lywood@crudequality.com.

Observations:

Attached are detailed C30+ compositional and trace sulphur analyses, as well as historical data from crudemonitor.ca pertaining to typical light ends and bulk properties for Condensate Blend (CRW).

In addition to the attached, we note the following testing results:

	Sample Date	Batch #	Sulphur (wt%)	API Gravity (degree)	Absolute Density (kg/m ³)	MCR (wt%)	Viscosity @ 7.5° C (cSt)	RVP (kPa)	Organo-Phosphates (ppmw)	Total Mercaptans (ppm)	Olefins (wt%)
Current Data	11/4/2008	CRW-806	0.12	69.3	704.1	0.10	0.7	76.9	-	92	-
Average To Date			0.19	65.0	719.7	0.23	0.81	75.1	.80	97	6xND
Std Dev.			0.09	2.1	7.7	0.14	0.06	1.2	.26	19	-
Avg+StdDev			0.28	67.1	727.4	0.37	0.87	76.3	1.1	117	-
Avg-StdDev			0.10	62.9	712.0	0.10	0.74	73.9	0.5	78	-

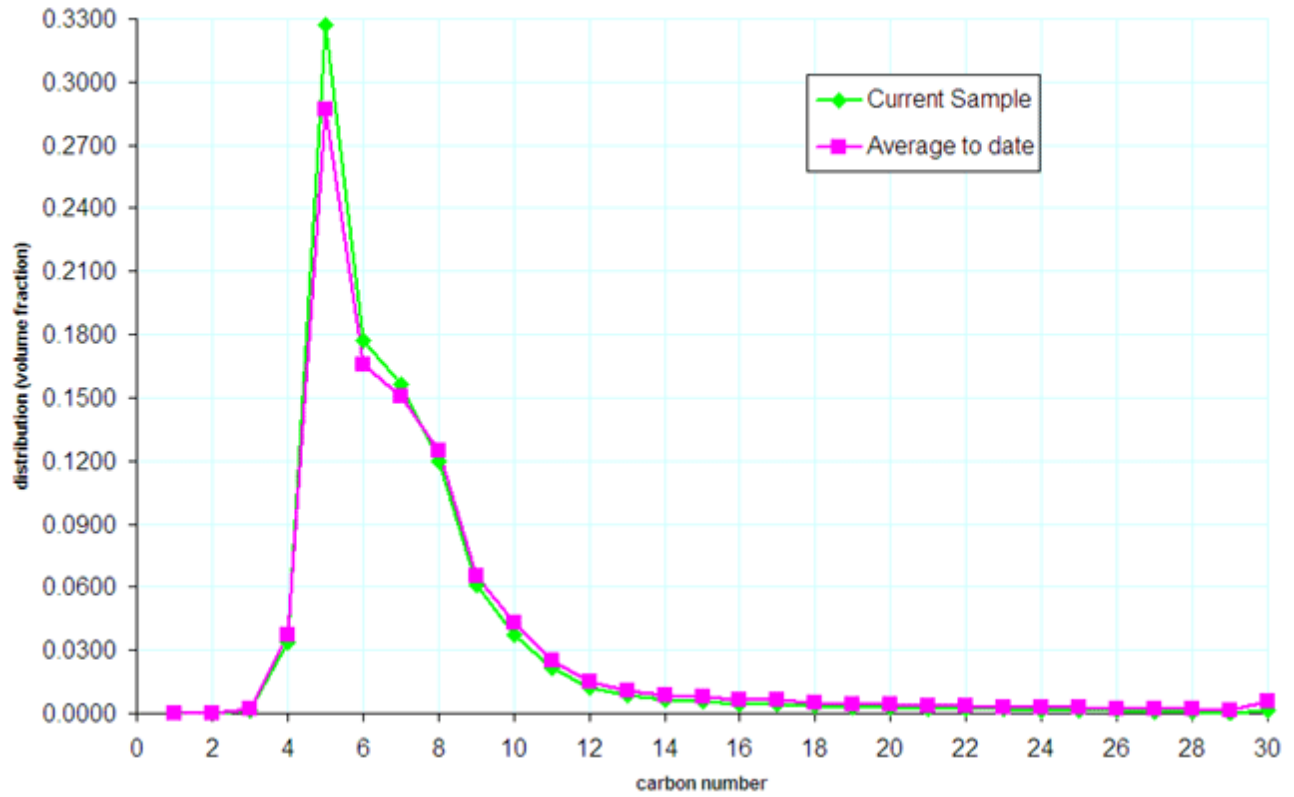
The November sample of CRW exhibited a well below average density (704.1 kg/m³ versus 719.7 kg/m³ average) along with marginally decreased viscosity and increased RVP. This sample also contained slightly increased C5s x C6s along with slightly lower than average C16s x C29s.

This sample of Condensate Blend (CRW) was tested for sediment by filtration, with a result of 21 ppmw.

Figure 1. C30+ Compositional Analysis for CRW-806



Condensate Blend - C30+ Compositional Analysis





C30+ COMPOSITIONAL ANALYSIS

A867808:N09600

MaxxID

Client ID

Meter Number

Laboratory Number

CRUDE QUALITY INC.

Operator Name

LSD

Well ID

CRUDE QUALITY INC. NOV08 LIGHTS

ENBRIDGE

Well Name

Initials of Sampler

Sampling Company

COND. BLEND CRW-806

1L CAN

Field or Area

Pool or Zone

Sample Point

Container Identity

Percent Full

Test Recovery

Interval 1

Interval 2

Interval 3

Elevations (m)

Sample Gathering Point

Solution Gas

Test Type No. Multiple Recovery

From:

To:

KB

GRD

Well Fluid Status

Well Status Mode

Production Rates

Gauge Pressures kPa

Temperature °C

Well Status Type

Well Type

Water m3/d

Oil m3/d

Gas 1000m3/d

Source

As Received

Source

As Received

Gas or Condensate Project

Licence No.

2008/11/04

2008/12/10

2008/12/23

2008/12/23

JS2

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

COMPOSITION

COMPONENT	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
N2			
CO2			
H2S			
C1	0.0000	0.0000	0.0000
C2	Trace	Trace	Trace
C3	0.0021	0.0010	0.0014
IC4	0.0046	0.0030	0.0037
NC4	0.0392	0.0251	0.0298
IC5	0.1850	0.1469	0.1631
NC5	0.1881	0.1496	0.1643
C6	0.1806	0.1716	0.1774
C7+	0.4004	0.5028	0.4603
TOTAL	1.0000	1.0000	1.0000

PROPERTIES

RESIDUE	RELATIVE DENSITY @ 15 °C		RELATIVE MOLECULAR MASS		DATA SUMMARY		
	OBSERVED	CALCULATED	OBSERVED	CALCULATED	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
C5+		0.698		92	0.9541	0.9709	0.9651
C6+		0.733		105	0.5810	0.6744	0.6377
C7+	0.758		114	114	0.4004	0.5028	0.4603
C10+					0.0747	0.1425	0.1232
C12+					0.0330	0.0782	0.0646
TOTAL		0.693		91			

Calculated Absolute Density Total Sample:

692.4 kg/m3 @ 15°C

Gas Equivalent Factor:

180.30 m3 Gas/m3 Liquid

** Information not supplied by client -- data derived from LSD information

Results relate only to items tested

Remarks:



C30+ COMPOSITIONAL ANALYSIS

CRUDE QUALITY INC.

A867808:N09600

Operator Name

Laboratory Number

CRUDE QUALITY INC. NOV08 LIGHTS

COND. BLEND CRW-806

Well Name

Sample Point

ENBRIDGE

Sampling Company

Maxx/D

Client ID

2008/11/04

2008/12/10

2008/12/23

2008/12/23

JS2

Date Sampled Start

Date Sampled End

Date Received

Date Reported

Date Reissued

Analyst

COMPONENT	BOILING POINT (°C)	MOLE FRACTION	MASS FRACTION	VOLUME FRACTION
Nitrogen	-196			
Carbon Dioxide	-79			
Hydrogen Sulphide	-60			
Methane	-162	0.0000	0.0000	0.0000
Ethane	-89	Trace	Trace	Trace
Propane	-42	0.0021	0.0010	0.0014
Iso-Butane	-12	0.0046	0.0030	0.0037
n-Butane	0	0.0392	0.0251	0.0298
Iso-Pentane	28	0.1850	0.1469	0.1631
n-Pentane	36	0.1881	0.1496	0.1643
Hexanes	37-69	0.1806	0.1716	0.1774
Heptanes	70-98	0.1612	0.1636	0.1561
Octanes	99-126	0.1132	0.1296	0.1199
Nonanes	127-151	0.0513	0.0671	0.0611
Decanes	152-174	0.0267	0.0401	0.0374
Undecanes	175-196	0.0150	0.0242	0.0212
Dodecanes	197-216	0.0082	0.0145	0.0125
Triadecanes	217-236	0.0054	0.0104	0.0088
Tetradecanes	237-253	0.0037	0.0078	0.0065
Pentadecanes	254-271	0.0030	0.0068	0.0056
Hexadecanes	272-287	0.0023	0.0055	0.0045
Heptadecanes	288-302	0.0020	0.0051	0.0042
Octadecanes	303-317	0.0015	0.0043	0.0035
NonaDecanes	318-331	0.0011	0.0032	0.0026
Eicosanes	332-343	0.0011	0.0034	0.0027
Heneicosanes	344-357	0.0009	0.0030	0.0024
Docosanes	358-369	0.0007	0.0025	0.0020
Triacosanes	370-380	0.0007	0.0025	0.0019
Tetracosanes	381-391	0.0005	0.0020	0.0016
Pentacosanes	392-402	0.0005	0.0018	0.0015
Hexacosanes	403-412	0.0004	0.0015	0.0012
Heptacosanes	413-422	0.0003	0.0012	0.0009
Octacosanes	423-432	0.0002	0.0007	0.0006
Nonacosanes	433-441	0.0001	0.0003	0.0003
triacontanes+	442-449+	0.0004	0.0017	0.0013
Totals		1.0000	1.0000	1.0000
neoHexane	50	Trace	Trace	Trace
Methylcyclopentane	70	0.0348	0.0322	0.0296
Benzene	80	0.0154	0.0132	0.0104
Cyclohexane	81	0.0283	0.0263	0.0233
Methylcyclohexane	101	0.0371	0.0401	0.0360
Toluene	111	0.0222	0.0225	0.0180
Ethylbenzene	136	0.0023	0.0027	0.0022
m&p-Xylene	139	0.0127	0.0149	0.0118
o-Xylene	144	0.0032	0.0037	0.0029
1,2,4-Trimethylbenzene	169	0.0029	0.0039	0.0031

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Remarks:



TRACE SULPHUR ANALYSIS

A867808:N09601

MaxID		Client ID		Meter Number		Laboratory Number	
CRUDE QUALITY INC.				LSD		Well ID	
Operator Name CRUDE QUALITY INC. NOV08 LIGHTS				Initials of Sampler		Sampling Company ENBRIDGE	
Well Name				COND. BLEND CRW-806		1L CAN	
Field or Area		Pool or Zone		Sample Point		Container Identity	
Percent Full							
Test Recovery		Interval 1 Interval 2 Interval 3		Elevations (m)		Sample Gathering Point	
From:		To:		KB GRD		Well Fluid Status	
Well Status Mode							
Production Rates		Gauge Pressures kPa		Temperature °C		Well Status Type	
Water m3/d Oil m3/d Gas 1000m3/d		Source As Received		23.0		Well Type	
				Source As Received		Gas or Condensate Project	
Licence No.							
2008/11/04		2008/12/10		2008/12/23		2008/12/23	
Date Sampled Start		Date Sampled End		Date Received		Date Reported	
						Date Reissued	
						Analyst	
						JS2	

COMPOSITION			Boiling Pt. (°C)	Sulphur mole ppm	Sulphur mass ppm	PROPERTIES
Component	Common Name					
Hydrogen Sulphide	H2S		-60.4	<0.5	<0.5	Molecular Wt. (g/mole) Measured
Carbonyl Sulphide	COS		-50	4.2	1.4	
Methanethiol	Methyl mercaptan		6.2	8.0	2.6	Molecular Wt. (g/mole) Calculated
Ethanethiol	Ethyl mercaptan		35	75.0	24.2	
Dimethyl Sulphide	DMS		38	17.5	5.6	Onsite H2S
Carbon Disulphide	CS2		46.5	3.3	1.1	
Iso-Propanethiol	Iso-propyl mercaptan		58	90.6	29.3	ppm(mole) mole%
t-Butanethiol	tert-butyl mercaptan		64	13.5	4.4	
Methyl Ethyl Sulphide	MES		67	14.5	4.7	
n-Propanethiol	Propyl mercaptan		70	16.8	5.4	
Unknown			36-69	<0.5	<0.5	
Thiophene/sec-Butanethiol	Thiophene/sec-Butyl mercaptan		84/90	47.9	15.5	
Diethyl Sulphide	DES		92.1	6.9	2.2	
Iso-Butanethiol	Iso-butyl mercaptan		99	4.5	1.5	
n-Butanethiol	Butyl mercaptan		98	5.3	1.7	
Unknown			71-97	2.4	0.8	
Dimethyl Disulphide	DMDS		110	17.5	5.6	
n-Pentanethiol	Pentyl mercaptan		127	2.0	0.6	
Unknown			100-126	39.0	12.6	
n-Hexanethiol	Hexyl mercaptan		151	15.9	5.1	
Unknown			127-150	58.9	19.0	
n-Heptanethiol	Heptyl mercaptan		177	6.0	1.9	
Unknown			152-176	65.1	21.0	
Total Sulphur				5129	1658.0	

Mercaptan Sulphur on Naphtha fraction (IBP 204°C) ASTM D3227 (mass%)
 Naphtha IBP 204°C (volume %)
 Elemental Sulphur (mass ppm)

** Information not supplied by client -- data derived from LSD information

Results relate only to items tested

Remarks:

Light Crude Quality Project Analyses Summary (December 2007)

Crude	Sample Date	No. Samples or Batch #	Sulphur (wt%)	API Density (degree)	Absolute Density (kg/m3)	Sediment (ppmw)	MCR (wt%)	Salt (ptb)	TAN (mgKOH/g)	Nickel (mg/L)	Vanadium (mg/L)
CRW Condensate Blend											
	2005 Q2	3	0.17	62.9	727.0		0.2			43.5	4.8
	2005 Q3	3	0.16	63.3	725.8		0.4			17.9	2.4
	2005 Q4	3	0.17	63.6	724.6		0.3				3.6
	2006 Q1	4	0.16	64.8	720.2		0.3				6.8
	2006 Q2	3	0.21	63.3	725.9		0.3				1.4
	2006 Q3	2	0.17	62.1	730.2		0.2				1.2
	2006 Q4	2	0.13	67.0	712.2		0.1				
	2007 Q1	3	0.13	65.4	718.1		0.2				
	2007 Q2	3	0.10	67.6	710.3		0.1				
	2007 Q3	3	0.13	65.7	717.0		0.2				
	2007 Q4	3	0.22	64.8	720.3		0.2				1.6
	2008 Q1	1	0.39	65.1	719.2		0.4				
	12/1/2007	CRW-753	0.15	67.6	710.2		0.1				
	1/1/2008	CRW-757	0.39	65.1	719.2		0.4				
	Average		0.17	64.6	721.0		0.2			35.0	3.2
	Std Dev		0.07	2.1	7.7		0.1			13.1	2.0
	Avg + StdDev		0.24	66.7	728.7		0.4			48.1	5.2
	Avg - StdDev		0.10	62.5	713.3		0.1			21.9	1.2

Light Crude Quality Project Light Ends Summary (December 2007)

Crude Sample Date	Count of Batches or Batch No.	Ethane (vol%)	Propane (vol%)	Butanes (vol%)	Pentanes (vol%)	Hexanes (vol%)	Heptanes (vol%)	Octanes (vol%)	Nonanes (vol%)	Decanes (vol%)	Benzene (vol%)	Toluene (vol%)	Ethyl Benzene (vol%)	Xylenes (vol%)
CRW Condensate Blend														
2005 Q2	3	0.02	0.32	3.54	23.63	21.20	15.23	10.08	5.12	2.28	1.15	2.10	0.23	1.86
2005 Q3	3	0.02	0.23	3.23	23.45	21.28	16.37	10.77	5.51	2.45	1.23	2.34	0.25	2.03
2005 Q4	3	0.02	0.23	3.15	21.79	21.60	16.33	11.80	6.09	2.40	1.16	2.26	0.30	2.13
2006 Q1	4	0.02	0.19	2.76	22.50	22.77	14.89	10.86	6.18	2.49	1.23	2.07	0.28	1.92
2006 Q2	3	0.02	0.27	3.42	22.51	19.93	15.65	10.90	5.69	2.30	1.06	2.08	0.26	1.86
2006 Q3	2	0.02	0.28	2.96	20.36	19.74	16.38	11.82	6.08	2.52	1.06	2.19	0.29	2.06
2006 Q4	2	0.02	0.22	3.37	25.43	22.50	15.32	10.35	5.29	2.09	1.13	2.00	0.25	1.82
2007 Q1	3	0.02	0.24	3.33	24.64	24.26	15.17	10.54	5.29	2.17	1.27	2.10	0.27	1.93
2007 Q2	3	0.02	0.20	3.22	25.40	23.30	15.51	10.59	5.37	1.96	1.25	2.15	0.27	1.86
2007 Q3	3	0.02	0.24	3.42	23.97	20.53	15.46	10.25	5.10	2.08	1.08	2.13	0.25	1.82
2007 Q4	3	0.02	0.26	3.49	24.77	21.60	16.06	11.39	5.70	2.22	1.08	2.15	0.30	1.97
2008 Q1	1	0.02	0.21	3.06	25.40	21.80	16.14	11.48	5.53	2.05	1.07	2.13	0.31	1.99
12/1/2007	CRW-753	0.02	0.18	2.89	26.08	22.84	16.97	11.76	5.53	2.07	1.14	2.22	0.3	1.94
1/1/2008	CRW-757	0.02	0.21	3.06	25.4	21.8	16.14	11.48	5.53	2.05	1.07	2.13	0.31	1.99
Average		0.02	0.24	3.25	23.56	21.77	15.65	10.85	5.59	2.27	1.16	2.14	0.27	1.93
Std Dev		0.01	0.06	0.34	2.28	1.95	0.94	0.96	0.65	0.30	0.12	0.16	0.04	0.16
Avg + StdDev		0.03	0.30	3.59	25.84	23.72	16.59	11.82	6.24	2.56	1.28	2.30	0.31	2.09
Avg - StdDev		0.01	0.18	2.91	21.28	19.82	14.71	9.89	4.94	1.97	1.04	1.99	0.23	1.78