



Your Reference: HO-5435

Global Survey Solutions Limited

Chemoil Limited

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For the attention of: Jose Gonzalez

Report no. US 6422
Date of report January 8, 2009
Vessel Barge "Buffalo 407"
Location GTI Terminal, Houston
Inspection date January 8, 2009
Cargo for MV "Santa Maria"
Product IFO-380

LOADING FROM SHORE TANKS

We have pleasure in enclosing herewith, our report for the above referenced inspection.

Summary of quantities	Barge quantity	Shore quantity	Difference	%
Gross Standard Volume at 60°F, US Barrels	12,785.820	12,924.360	-138.540	-1.07%
Gross Standard Volume at 60°F, US Gallons	537,004	542,823	-5,819	-1.07%
Long Tons	1,978.411	1,999.848	-21.437	-1.07%
Short Tons	1,766.438	1,785.578	-19.140	-1.07%
Metric Tons	2,010.158	2,031.940	-21.782	-1.07%
Pounds	4,436,371	4,484,440	-48,069	-1.07%

Summary of quantities	Barge quantity	Bunker Receipt	Difference	%
Gross Standard Volume at 60°F, US Barrels	12,785.820	12,722.000	63.820	0.50%
Gross Standard Volume at 60°F, US Gallons	537,004	534,324	2,680	0.50%
Long Tons	1,978.411	1,968.536	9.875	0.50%
Short Tons	1,766.438	1,757.621	8.817	0.50%
Metric Tons	2,010.158	2,000.000	10.158	0.51%
Pounds	4,436,371	4,414,227	22,144	0.50%

Report distribution has been effected as follows:
To yourselves in original only together with our relevant invoice.

Should you have any query, or require any additional information, please contact Mr. John Little at our Houston office (telephone number +1 713 234 56 78).



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CONTENTS LISTING

Document Title	Qty
Cover Letter	One
Contents Listing	One
Receipt For Documents	One
Time Log	One
Ullage/Sounding And Quantity Report of Barge " "	One
Shore Tank Report	One
Sample Receipt	One
Sample Report	One
Letter Of Protest	One
Statement Of Facts	One

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RECEIPT FOR DOCUMENTS

To: Barge's Representative of "Barge "Buffalo 407""

Please sign for receipt of the documents listed below:

Document Title	Qty
<input checked="" type="checkbox"/> Receipt For Documents	One
<input checked="" type="checkbox"/> Time Log	One
<input checked="" type="checkbox"/> Ullage/Sounding And Quantity Report of Barge "Buffalo 407"	One
<input type="checkbox"/>	
<input checked="" type="checkbox"/> Shore Tank Report	One
<input type="checkbox"/>	
<input type="checkbox"/>	
<input checked="" type="checkbox"/> Letter Of Protest	One
<input type="checkbox"/>	
Total Pages:	5

Instructions regarding documents: 1 set for Vessel's own use

Surveyor:

Barge's Representative of "Barge "Buffalo 407"": Robert Harris



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TIME LOG

Time	Date	Operations
09:00	January 8, 2009	Surveyor arrived at Terminal
09:30	January 8, 2009	Barge arrived alongside the dock
09:35	January 8, 2009	All fast alongside the dock No. 1
09:36	January 8, 2009	Surveyor arrived on board the barge
09:40	January 8, 2009	Surveyor commenced measurements of OBQ
09:55	January 8, 2009	Hose connected
10:20	January 8, 2009	Surveyor completed measurements
10:30	January 8, 2009	Commenced loading bunker
16:35	January 8, 2009	Completed loading bunker
16:45	January 8, 2009	Surveyor commenced measurements of on board quantity
16:45	January 8, 2009	Hose disconnected
17:25	January 8, 2009	Surveyor completed measurements
17:50	January 8, 2009	Surveyor completed calculations
17:55	January 8, 2009	Surveyor left the barge
18:10	January 8, 2009	Barge departed

Delays				Reason
From		To		

Remark: (*) - As per information received from the Master of the vessel

Sea water temperature, °F	General weather condition	Pumping time (hours)	Average pumping rate (Bbls/Hrs)
60	calm	5.00	2,557.16

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 Barge's Representative of Barge "Buffalo 407": Robert Harris



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ULLAGE/SOUNDING AND QUANTITY REPORT

Before Loading from Shore tanks

Table with 11 columns: Tank No., Innage Ft-Inch, Corr. Innage Ft-Inch, T.O.V. US barrels, Free Water (Ft-Inch, US barrels), G.O.V. US barrels, API at 60°F, Temp °F, VCF Table 6B, G.S.V., US bbls @ 60°F. Includes a Totals row.

After Loading from Shore tanks

Table with 11 columns: Tank No., Innage Ft-Inch, Corr. Innage Ft-Inch, T.O.V. US barrels, Free Water (Ft-Inch, US barrels), G.O.V. US barrels, API at 60°F, Temp °F, VCF Table 6B, G.S.V., US bbls @ 60°F. Includes a Totals row.

Grandtotals:

VCF calculated by ASTM D 1250-2004

Summary table with 4 columns: Measurement (Gross Standard Volume, Long Tons, Short Tons, Metric Tons, Pounds), Unit (US Barrels, US Gallons, Air), Value, and Conversion Factor (Average (Pro Rata) API, US Gallons/US barrels, Long tons/US bbls, Short Tons/Long Tons, Metric tons/US bbls, Lbs / US bbls).

Remarks:

6P was not used for loading.
Meter will be used at discharge.

Table with 5 columns: Draft (Fwd, Aft, Trim) and four sounding points (Prior: P, Prior: S, After: P, After: S) with values in feet and inches.

Surveyor:

Barge's Representative of Barge "Buffalo 407": Robert Harris

04-105-08-08



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SHORE TANK REPORT

	Shore tank No. 100 - 2		Shore tank No.		
	Open	Close	Open	Close	
Date	mm-dd-yy	8-Jan-09	8-Jan-09		
Time	00:00	10:30	16:35		
Gauge	ft-in-16th	8' - 6"	3' - 3"		
T.O.V.	US Barrels	20,989.90	7,812.93		
Free Water Gauge	ft-in				
Free Water Volume	US Barrels				
Roof Weight	Metric Tons				
Roof correction	US Barrels				
Status of the line		Empty	Empty		
Line	US Barrels				
Steel of tank / Insulated or not insulated		Mild Carbon	Not insulated	Mild Carbon	Insulated
Calibration temperature	°F	150.00		150.00	
Ambient temperature	°F				
Shell correction factor					
Gross Observed Volume (G.O.V.)	US Barrels	20,989.90	7,812.93		
G.O.V. corrected for shell	US Barrels	20,989.90	7,812.93		
A.P.I. at 60 °F		11.3	11.3		
Observed temperature	°F	110.3	110.3		
Volume Corrected Factor (V.C.F.)	by Table 6B	0.98083	0.98083		
Gross Standard Volume, at 60 °F	US Barrels	20,587.52	7,663.16		
Gross Standard Volume, at 60 °F	US Barrels	12,924.36			
Long Tons	(Air)	1,999.848			
Metric Tons	(Air)	2,031.940			

	Shore tank No.		Shore tank No.		
	Open	Close	Open	Close	
Date	mm-dd-yy				
Time	00:00				
Gauge	ft-in-16th				
T.O.V.	US Barrels				
Free Water Gauge	ft-in				
Free Water Volume	US Barrels				
Roof Weight	Metric Tons				
Roof correction	US Barrels				
Status of the line					
Line	US Barrels				
Steel of tank / Insulated or not insulated		Mild Carbon	Insulated	Mild Carbon	Insulated
Calibration temperature	°F	150.00		150.00	
Shell correction factor					
Gross Observed Volume (G.O.V.)	US Barrels				
G.O.V. corrected for shell	US Barrels				
A.P.I. at 60 °F					
Observed temperature	°F				
Volume Corrected Factor (V.C.F.)	by Table 6B				
Gross Standard Volume, at 60°F	US Barrels				
Gross Standard Volume, at 60 °F	US Barrels				
Long Tons	(Air)				
Metric Tons	(Air)				

Grandtotals:

Remark: VCF calculated by ASTM D 1250-2004

Gross Standard Volume, at 60 °F	US Barrels	12,924.360	Average (Pro Rata) API:	11.30
Gross Standard Volume, at 60 °F	US Gallons	542,823	US Gallons/US barrels: Table 1:	42
Long Tons	(Air)	1,999.848	Long tons/US bbls: Ch.11.5:	0.154734803
Short Tons	(Air)	1,785.578	Short Tons/Long Tons:	0.892857
Metric Tons	(Air)	2,031.940	Metric tons/US bbls: Ch.11.5:	0.157217818
Pounds	(Air)	4,484,440	Lbs / US bbls: Chapter 11.5:	8.26133

Surveyor:



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SAMPLE RECEIPT

Sample Source	Size	Sample description	Seal No.	Sample Distribution
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	324511	Chief Engineer

Date: January 8, 2009 Receipt acknowledged

Chief Engineer of Barge "Buffalo 407": _____ Robert Harris

Surveyor: _____ John Little



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SAMPLE REPORT

Sample Source	Size	Sample description	Seal No.	Sample Distribution
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	324511	Chief Engineer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	324513	For Customer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	324514	For Customer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	324515	Retained by Surveyor

Date: January 8, 2009

Surveyor: John Little

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LETTER OF PROTEST

To: To Whom It May Concern

At the Port of: Houston

Dear Sir,

On behalf of our principal(s), we hereby notify you that on the day of January 8, 2009 the following occurrence was noted:

APPARENT DISCREPANCY:

Comparison of quantities	Barge quantity	Bunker Receipt	Difference	%
Gross Standard Volume at 60°F, US Barrels	12,785.820	12,722.000	63.820	0.50%
Gross Standard Volume at 60°F, US Gallons	537,004	534,324	2,680	0.50%
Long Tons	1,978.411	1,968.536	9.875	0.50%
Short Tons	1,766.438	1,757.621	8.817	0.50%
Metric Tons	2,010.158	2,000.000	10.158	0.51%
Pounds	4,436,371	4,414,227	22,144	0.50%

Accordingly, we are holding you responsible for the loss and damage thereby sustained, as well as any consequential arising therefrom.

Will you kindly acknowledge receipt on the copy tendered and return it to us.

The signature thus obtained is for receipt only and in no way acknowledges responsibility for the incident.

Please direct any written correspondence on this matter to:

Global Survey Solutions Limited

Tel: +1 713 234 56 78
 Fax: +1 713 234 56 79
 Email: ops@surveycalc.com

Very truly yours:

Date: January 8, 2009

Signed by: John Little

For: Surveyor

Receipt acknowledged:

Date: January 8, 2009

Signed by: Peter Boyde

For: GTI Terminal



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ANALYSIS REPORT

Sample of: IFO-380
 Sample drawn: by Surveyor
 Sample description: Dripping sample from ship's bunker manifold
 taken during bunkering
 Received on: January 8, 2009
 Testing performed by: Third party laboratory
 On the: January 8, 2009

Test	Units	Method	Specification	Result
Density at 15°C	kg/ltr	ISO 12185	max 0.9910	0.9903
API at 60°C				11.3
Viscosity at 50°C	mm ² /s	ISO 3104	max 380	342
Flashpoint	°C	ISO 2719	min 60	124
Pourpoint	°C	ISO 3016	max 30	25
Micro Carbon Residue	mass%	ISO 10370	max 18	3.4
Ash Content	mass%	ISO 6245	max 0.15	0.5
Water content	vol%	ISO 3733	max 0.5	0.3
Sulphur Content	mass%	ISO 14596	max 4.5	1.54
Total Sediment Potential	mass%	ISO 10307-2	max 0.10	0.06
Aluminum (Al)	mg/kg	ISO 10478	report	45
Silicon (Si)	mg/kg	ISO 10478	report	56
Sodium (Na)	mg/kg	IP 501	report	72
Vanadium (V)	mg/kg	ISO 14597	max 300	224
Nickel (Ni)	mg/kg	IP 501	report	65
Iron (Fe)	mg/kg	IP 501	report	34
Calcium (Ca)	mg/kg	IP 501	max 30	27
Zinc (Zn)	mg/kg	IP 501	max 15	61
Phosphorous (P)	mg/kg	IP 501	max 15	43
Magnesium (Mg)	mg/kg	IP 501	report	37
Lead (Pb)	mg/kg	IP 501	report	50
Net Calorific Value	kCal	Calculated	report	42380
Aluminum + Silicon	mg/kg	Calculated	max 80	52

Chemist: Brittney Jones

04-112-08-08