



Your Reference: GLV-1234

Global Survey Solutions Limited

Chemoil Inc.

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For the attention of: Jose Fernandez

Report no. US 18783
Date of report April 27, 2009
Vessel Barge "Buffalo 407"
Location Galveston
Inspection date April 26, 2009
Cargo for MV "Royal Carribean"
Product RMK-500

SHIP-TO-SHIP TRANSFER

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

Summary of quantities	Ship's quantity	Bunker Receipt	Difference	%
Gross Standard Volume at 60°F, US Barrels	26,823.570	26,882.690	-59.120	-0.22%
Gross Standard Volume at 60°F, US Gallons	1,126,590	1,129,073	-2,483	-0.22%
Long Tons	4,138.933	4,148.054	-9.121	-0.22%
Short Tons	3,695.475	3,703.619	-8.144	-0.22%
Metric Tons	4,205.349	4,214.400	-9.051	-0.21%
Pounds	9,281,129	9,301,585	-20,456	-0.22%

Summary of quantities	Barge quantity	Bunker Receipt	Difference	%
Gross Standard Volume at 60°F, US Barrels	26,883.290	26,882.690	0.600	0.00%
Gross Standard Volume at 60°F, US Gallons	1,129,098	1,129,073	25	0.00%
Long Tons	4,148.145	4,148.054	0.091	0.00%
Short Tons	3,703.700	3,703.619	0.081	0.00%
Metric Tons	4,214.711	4,214.400	0.311	0.01%
Pounds	9,301,792	9,301,585	207	0.00%

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
Sample Receipt	One
Sample Report	One
Letter Of Protest	One
Statement Of Facts	One

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RECEIPT FOR DOCUMENTS

To: Chief Engineer 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 checked="" type="checkbox"/> Ullage/Sounding And Quantity Report of MV "Royal Carribean"	One
<input type="checkbox"/>	
<input checked="" type="checkbox"/> Sample Receipt	One
<input checked="" type="checkbox"/> Sample Report	One
<input checked="" type="checkbox"/> Letter Of Protest	One
<input type="checkbox"/>	
Total Pages:	7

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

Surveyor: John Little

Chief Engineer of "Barge "Buffalo 407"": Robert Gibbons



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TIME LOG

Time	Date	Operations
16:10	April 26, 2009	Surveyor arrived at Terminal
16:30	April 26, 2009	Vessel arrived alongside the dock No. 1
16:54	April 26, 2009	All fast alongside the dock No. 1
17:20	April 26, 2009	Surveyor arrived on board the vessel
17:35	April 26, 2009	Surveyor commenced measurements of bunker on board the vessel before bunkering
18:00	April 26, 2009	Surveyor completed measurements of bunker on board the vessel before bunkering
18:15	April 26, 2009	Barge arrived alongside the vessel
18:35	April 26, 2009	Barge all fast alongside the vessel
19:00	April 26, 2009	Gangway to the barge secured
19:20	April 26, 2009	Surveyor arrived on board the barge
19:30	April 26, 2009	Surveyor commenced measurements of bunker on board the barge before bunkering
01:35	April 27, 2009	Hose connected
20:00	April 27, 2009	Surveyor completed measurements
20:45	April 27, 2009	Commenced discharging bunker into the vessel
03:20	April 27, 2009	Completed discharging bunker into the vessel
03:25	April 27, 2009	Surveyor commenced measurements of bunker on board the barge after bunkering
03:35	April 27, 2009	Hose disconnected
03:55	April 27, 2009	Surveyor completed measurements of bunker on board the barge after bunkering
04:10	April 27, 2009	Surveyor completed calculations
04:15	April 27, 2009	Surveyor left the barge
04:20	April 27, 2009	Surveyor commenced measurements of bunker on board the vessel after bunkering
04:50	April 27, 2009	Surveyor completed measurements of bunker on board the vessel after bunkering
04:55	April 27, 2009	Barge departed
05:30	April 27, 2009	Surveyor left the vessel

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)
63	calm	6.58	4,083.54

Surveyor: John Little

Chief Engineer of Barge "Buffalo 407": Robert Gibbons



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ULLAGE/SOUNDING AND QUANTITY REPORT

Before Discharge Into Mv "Royal Carribean"

Table with 10 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 rows for tanks 1P, 2P, 3P, 1S, 2S, 3S and a Totals row.

After Discharge Into Mv "Royal Carribean"

Table with 10 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 rows for tanks 1P, 2P, 3P, 1S, 2S, 3S and a Totals row.

Grandtotals:

VCF calculated by ASTM D 1250-2004

Summary table with 4 columns: Volume/Weight (US Barrels, US Gallons, Long Tons, Short Tons, Metric Tons, Pounds), Unit (Air), and Conversion factors (Average (Pro Rata) API, US Gallons/US barrels: Table 1, Long tons/US bbls: Ch.11.5, Short Tons/Long Tons, Metric tons/US bbls: Ch.11.5, Lbs / US bbls: Chapter 11.5).

Remarks:

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

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

Surveyor: John Little
Barge's Representative of Barge "Buffalo 407": Peter Blunt



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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	23456	Chief Engineer

Date: April 27, 2009
Chief Engineer of MV "Royal Carribean": _____
Surveyor: _____

Receipt acknowledged
Robert Gibbons
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	23456	Chief Engineer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	23457	For Customer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	23458	For Customer
Ship's manifold	1 Ltr.	Dripping sample from ship's manifold	23459	Retained by Surveyor

Date: April 27, 2009

Surveyor: John Little

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LETTER OF PROTEST

To: To Whom It May Concern

At the Port of: Galveston

Dear Sir,

On behalf of our principal(s), we hereby notify you that on the day of April 27, 2009 the following occurrence was noted:

APPARENT DISCREPANCY:

Comparison of quantities	Barge quantity	Bunker Receipt	Difference	%
Gross Standard Volume at 60°F, US Barrels	26,883.290	26,882.690	0.600	0.00%
Gross Standard Volume at 60°F, US Gallons	1,129,098	1,129,073	25	0.00%
Long Tons	4,148.145	4,148.054	0.091	0.00%
Short Tons	3,703.700	3,703.619	0.081	0.00%
Metric Tons	4,214.711	4,214.400	0.311	0.01%
Pounds	9,301,792	9,301,585	207	0.00%

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: April 27, 2009

Signed by: John Little

For: Surveyor

Receipt acknowledged:

Date: April 27, 2009

Signed by: Peter Blunt

For: Barge "Buffalo 407"



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ANALYSIS REPORT

Sample of: RMK-500
 Sample drawn: by Surveyor
 Sample description: Dripping sample from ship's bunker manifold
 taken during bunkering
 Received on: April 27, 2009
 Testing performed by: Third party laboratory
 On the: April 27, 2009

Test	Units	Method	Specification	Result
Density at 15°C	kg/ltr	ISO 12185	max 1.0100	0.9875
API at 60°C				11.7
Viscosity at 50°C	mm ² /s	ISO 3104	max 500	485
CCAI			max 870	774
Flashpoint	°C	ISO 2719	min 60	126
Pourpoint	°C	ISO 3016	max 30	24
Micro Carbon Residue	mass%	ISO 10370	max 20	6.7
Ash Content	mass%	ISO 6245	max 0.15	0.12
Total Sediment Potential	mass%	ISO 10307-2	max 0.10	0.06
Water content	vol%	ISO 3733	max 0.5	0.2
Sulphur Content	mass%	ISO 14596	report	2.2
Hydrogen Sulphide	mass%		max 2.0	0.6
Vanadium (V)	mg/kg	ISO 14597	max 450	320
Sodium (Na)	mg/kg	IP 501	max 100	87
Aluminum (Al)	mg/kg	ISO 10478	report	27
Silicon (Si)	mg/kg	ISO 10478	report	25
Aluminum + Silicon	mg/kg	Calculated	max 60	52
Zinc (Zn)	mg/kg	IP 501	max 15	12
Phosphorous (P)	mg/kg	IP 501	max 15	11
Calcium (Ca)	mg/kg	IP 501	max 30	23
Acid Number	mg KOH/g		max 2.5	1.8

Chemist: Brittney Jones

04-112-08-08