



Global Survey Solutions Ltd.

Your Reference : S 4843

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For the attention of Mr. Freddy Goetsch

Report no.	PA 2440
Date of report	July 25, 2007
Vessel	Salvia Express
Location	Apsa Cristobal, Panama
Product	LS Diesel Oil, HS Diesel Oil
B/Lading date	July 18, 2007

LOADED FOR DESTINATION: PIMPSA Terminal

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

Please note the following in this respect:

Report distribution has been effected as follows:

To yourselves and our Global Survey Solutions Ltd. Office via e-mail. Hard copy retained on file.
Invoice to follow from our Global Survey Solutions Ltd. Office.

Should you have any query, or require any additional information, please contact
Mr. Diego Rodriguez at our Global Survey Solutions Ltd. office (Telephone number).

For Global Survey Solutions Ltd.



Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil, HS Diesel Oil
 B/Lading date July 18, 2007

KEY MEETING

Date of Key Meeting :	July 25, 2007	from Hrs	22:30	to	22:50
Individuals Present at This Key Meeting:	Name	Title			
Vessel Representative	Chief Officer	Chief Officer			
Terminal Representative	Eduardo Jimenez	Loading Master			
Global Survey Solutions Ltd.	Diego Rodriguez	Surveyor			

<input type="checkbox"/> At Loading	<input type="checkbox"/> At Transfer	<input checked="" type="checkbox"/> At Discharge	<input type="checkbox"/> Crude Oil	<input type="checkbox"/> Dark Products	<input checked="" type="checkbox"/> Clean Products	<input type="checkbox"/> Chemicals / Gases
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Above Vessel will	<input type="checkbox"/> Load	<input type="checkbox"/> Ship-to-ship Transfer	<input checked="" type="checkbox"/> At This Terminal
	<input checked="" type="checkbox"/> Discharge	<input type="checkbox"/> Internal Transfer	<input type="checkbox"/> At (Specify) _____
	<input type="checkbox"/> Blend	<input type="checkbox"/> Other _____	

Following Quantity(ies) of:		Quantities	+/-	Units in:
LS Diesel Oil	Volume of	20,200.00		Barrels at Standard Temperature
HS Diesel Oil	Volume of	73,650.00		Barrels at Standard Temperature

The Above Quantity(ies):	Will Be Determined by:	<input type="checkbox"/> Shore Stop	<input checked="" type="checkbox"/> Ship Stop
	Will Be:	<input type="checkbox"/> Shore Tank(s)	<input checked="" type="checkbox"/> Vessel Tank(s)
	<input type="checkbox"/> Delivered fro Delivered from	Tank(s) No.	Shore tanks N188, N189, PD3 & PD4 - 1
	<input checked="" type="checkbox"/> Received int Received into		Shore tanks 151, 152 - 2nd parcel

Cargo requires: ☒ Segregation ☐ Separation ☐ Volumetric Blending

Are stop gauges:

	Yes	No	
▶ taken by the Inspector	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
▶ taken by Vessel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
▶ witnessed by Inspector	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			Yes No

Were discharge procedures and plans reviewed and understood by everyone concerned? ☒ ☐

Includes:

<input checked="" type="checkbox"/> Arrangements for sampling vessel tanks	<input checked="" type="checkbox"/> Before	<input type="checkbox"/> After	<input checked="" type="checkbox"/> Discharge	<input type="checkbox"/> Load
<input checked="" type="checkbox"/> Capacity Nominated to receive product			<input checked="" type="checkbox"/> Shore tanks	<input type="checkbox"/> Vessel Tanks
<input checked="" type="checkbox"/> Arrangements for sampling from vessel manifold during			<input checked="" type="checkbox"/> Discharging	<input type="checkbox"/> Loading
<input type="checkbox"/>				
<input checked="" type="checkbox"/> Arrangements for first foot sampling of			<input checked="" type="checkbox"/> Shore Tanks	<input type="checkbox"/> Vessel Tanks
<input checked="" type="checkbox"/> Will be stopped as per instructions of	<input type="checkbox"/> Charter		<input checked="" type="checkbox"/> Vessel	<input type="checkbox"/> Terminal

Remarks:

J.H. Kim
 Vessel Representative

Eduardo Jimenez
 Terminal Representative

Diego Rodriguez
 Global Survey Solutions Ltd.



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CHECK LIST

No.	BEFORE DISCHARGE	MPMS	Yes / No / N/A
1	Was a key meeting held with the vessel representative and shore representative?	17.1.12.1	Yes
2	Were all shore lines checked and shore tanks gauged?	17.1.12.2.1. 17.1.12.2.2.	Yes
3	Were temperatures taken in all shore receipt tanks?	17.1.12.3	Yes
4	Was the temperature device checked prior to use?	17.1.12.3.1 17.1.12.3.2	Yes
5	Were all automatic tank gauging and temperatures devices checked?	17.1.12.3.4	N/A
6	Were all shore tanks sampled?	17.1.12.4.1	Yes
7	Was an automatic sampler used?	17.1.12.4.2	No
8	Were meters used in loading the vessel?	17.1.12.5	No
9	Was vessel experience factor data available from the vessel representative?	17.1.12.6.1	Yes
10	Were draft, trim, and list recorded?	17.1.12.6.2	Yes
11	Were vessel lines drained into the cargo compartments?	17.1.12.6.3	Yes
12	Were all arrival ullages, temperatures, and water measurements taken on the vessel?	17.1.12.6.4	Yes
		17.1.12.6.5	17.1.12.6.6
13	Were all ballast tanks checked?	17.1.12.6.7	Yes
14	Were vessel samples taken from each compartment?	17.1.12.6.8	Yes
15	Were load port samples collected from the vessel and a receipt issued?	17.1.12.6.9	Yes
16	Were sea valves found to be intact and seal numbers recorded?	17.1.12.6.10	Yes
17	Were bunker quantities verified?	17.1.12.6.11	Yes
18	Were volumes calculations completed before loading began?	17.1.12.6.12	Yes
19	Was an in-transit difference determined?	17.1.12.6.13	Yes
DURING DISCHARGE			
20	Were any unusual problems encountered?	17.1.13.1	No
21	Was a Line sample taken?	17.1.13.2	No
22	Were meters proved?	17.1.13.3	No
23	Was a Vessel Loading Record prepared?	17.1.13.4	Yes
24	Was a Time Log prepared?	17.1.13.5	Yes
AFTER DISCHARGE			
25	Were draft, trim, and list recorded?	17.1.14.1	Yes
26	Were all vessel deck lines checked for remaining cargo?	17.1.14.2	Yes
27	Were remaining on board gauges taken?	17.1.14.3	Yes
28	Was quantity remaining on board measured at a different point than the ullage?	17.1.14.4	Yes
29	Were wedge, trim or list corrections used?	17.1.14.4	Yes
30	Was a Remaining on board Report completed?	17.1.14.4	Yes
31	Was a sample taken of the material remaining on board?	17.1.14.5	No
32	Were temperatures available for quantities remaining on board?	17.1.14.6	No
33	Were sea valves found to be intact from load port?	17.1.14.7	Yes
34	Were bunker quantities verified?	17.1.14.8	Yes
35	Was crude oil washing carried out?	17.1.14.9	Yes
36	Were all shorelines inspected to determine quantity?	17.1.15.1	Yes
37	Was all shore tank gauges taken?	17.1.15.2	Yes
38	Were tank samples taken from shore tanks?	17.1.15.4	Yes
39	Were proper automatic sampling and sample mixing performed?	17.1.15.5	N/A
40	Were copies of meter tickets and proving reports obtained?	17.1.15.6	N/A
41	Was a loading port voyage analysis made?	17.1.16.2	Yes
42	Was a vessel experience factor used for volume reconciliation ?	17.1.16.2	No
43	Were all laboratory test performed and witnessed by qualified personnel?	17.1.16.3	Yes
44	Were any Letters of Protest or Notice of Apparent Discrepancy issued?	17.1.16.4	No

*CUSTOMER PRODUCT DESCRIPTION

J.H. Kim
 Vessel Representative

Eduardo Jimenez
 Terminal Representative

Diego Rodriguez
 Global Survey Solutions Ltd.



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CONTENTS LISTING

Name of documents	<u>Quantity</u>
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Check List	One
Contents Listing	One
Summary Of Gross Bill Of Lading Quantities	One
Summary Of Gross Quantities	One
Statement Of Quantities (LS Diesel Oil)	One
Statement Of Quantities (HS Diesel Oil)	One
Time Log	One
Additional Time Log	One
Report Of Shore Based Quantity (LS Diesel Oil)	One
Report Of Shore Based Quantity (HS Diesel Oil)	One
Ullage Report, Vessel Before Discharge	One
Ullage Report, Vessel After Discharge	One
Report Of Ship Test Results (LS Diesel Oil)	One
Report Of Ship Test Results (HS Diesel Oil)	One
Report Of Shore Test Results (LS Diesel Oil)	One
Report Of Shore Test Results (HS Diesel Oil)	One
Receipt For Samples	One
Sample List	One
Vessel Experience Factor Report	One
Receipt For Documents	One
Bunker Survey Report (Fuel Oil)	One
Bunker Survey Report (Diesel Oil)	One
Line Displacement Report (LS Diesel Oil)	One
Line Displacement Report (HS Diesel Oil)	One
Sealing Report	One
Vessel Sealing Report	One
Letter Of Protest On Discrepancy (LS Diesel Oil)	One
Letter Of Protest On Discrepancy (HS Diesel Oil)	One
Total pages:	30



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SUMMARY OF GROSS BILL OF LADING QUANTITIES

Bill of Ladings for LS Diesel Oil

Summary of Gross Quantities			
Bill of Lading No.	US barrels @ 60°F	Long Tons	Metric Tons (in Air)
1	20,167.54	2,679.108	2,722.099
Total	20,167.54	2,679.108	2,722.099

API
34.80

Bill of Ladings for HS Diesel Oil

Summary of Gross Quantities			
Bill of Lading No.	US barrels @ 60°F	Long Tons	Metric Tons (in Air)
2	73,525.74	9,802.766	9,960.070
Total	73,525.74	9,802.766	9,960.070

API
34.20



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SUMMARY OF GROSS QUANTITIES

B/Lading date July 18, 2007

Product	LS Diesel Oil	HS Diesel Oil			
US BARRELS AT 60°F (GROSS STANDARD VOLUME)					Total
Vessel after loading					
Vessel before discharge	21,730.974	283,554.890			305,285.864
Difference					
% Difference					
Total of Bills of Lading	20,167.540	73,525.740			93,693.280
Outturn quantity	20,168.200	73,527.090			93,695.290
Difference	0.660	1.350			2.010
% Difference	0.003	0.002			0.002
Discharged by ship	20,420.975	73,247.829			93,668.804
Outturn quantity	20,168.200	73,527.090			93,695.290
Difference	-252.775	279.261			26.486
% Difference	-1.238	0.381			0.028
LONG TONS (GROSS WEIGHT)					Total
Vessel after loading					
Vessel before discharge	2,886.798	37,804.749			40,691.547
Difference					
% Difference					
Total of Bills of Lading	2,679.108	9,802.766			12,481.874
Outturn quantity	2,702.732	9,825.702			12,528.434
Difference	23.624	22.936			46.560
% Difference	0.882	0.234			0.373
Discharged by ship	2,712.774	9,765.713			12,478.487
Outturn quantity	2,702.732	9,825.702			12,528.434
Difference	-10.042	59.989			49.947
% Difference	-0.370	0.614			0.400
METRIC TONS IN AIR (GROSS WEIGHT)					Total
Vessel after loading					
Vessel before discharge	2,933.123	38,411.399			41,344.522
Difference					
% Difference					
Total of Bills of Lading	2,722.099	9,960.070			12,682.169
Outturn quantity	2,746.102	9,983.373			12,729.475
Difference	24.003	23.303			47.306
% Difference	0.882	0.234			0.373
Discharged by ship	2,756.307	9,922.423			12,678.730
Outturn quantity	2,746.102	9,983.373			12,729.475
Difference	-10.205	60.950			50.745
% Difference	-0.370	0.614			0.400

REMARKS: Vessel Experience Factor (VEF) : 0.9966

For Global Survey Solutions Ltd.

Report no. PA 2440
Date of report July 25, 2007
Vessel Salvia Express
Location Apsa Cristobal, Panama
Product LS Diesel Oil
B/Lading date July 18, 2007

STATEMENT OF QUANTITIES

Consignee,

The undersigned, Independent Inspector, herewith declares that the quantity of LS Diesel Oil
discharged from the above mentioned vessel based on shore figures amounts to:

GROSS

Gallons at 60°F	847,064
Barrels at 60°F	20,168.20
Long Tons	2,702.732
Metric Tons (air)	2,746.102
Kilograms (air)	2,746,102

The above mentioned quantities were determined by measurements taken from shore tanks, calculations by Terminal Computer, checked by ourselves and API at 60°F as advised by Terminal, checked by ourselves

API AT 60°F **33.3**

For Global Survey Solutions Ltd.

Report no. PA 2440
Date of report July 25, 2007
Vessel Salvia Express
Location Apsa Cristobal, Panama
Product HS Diesel Oil
B/Lading date July 18, 2007

STATEMENT OF QUANTITIES

Consignee,

The undersigned, Independent Inspector, herewith declares that the quantity of HS Diesel Oil
discharged from the above mentioned vessel based on shore figures amounts to:

GROSS

Gallons at 60°F	3,088,138
Barrels at 60°F	73,527.09
Long Tons	9,825.702
Metric Tons (air)	9,983.373
Kilograms (air)	9,983,373

The above mentioned quantities were determined by measurements taken from shore tanks, calculations by Terminal Computer, checked by ourselves and API at 60°F as advised by Terminal, checked by ourselves

API AT 60°F **33.8**

For Global Survey Solutions Ltd.



TIME LOG

Report no. PA 2440
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<u>Date</u>	<u>Time</u>	
22-Jul-2007	18:00	Vessel arrived at "End of Sea Passage"
22-Jul-2007	18:00	Notice of Readiness tendered
25-Jul-2007	20:36	First line ashore
25-Jul-2007	21:20	All Fast alongside the Berth 18C
25-Jul-2007	21:25	Gangway down and secured
25-Jul-2007	21:30	Port authorities on board
25-Jul-2007	21:55	Free pratique granted
25-Jul-2007	22:00	Notice of Readiness accepted
25-Jul-2007	22:20	Port Authorities disembarked
25-Jul-2007	22:25	Surveyor on board
25-Jul-2007	22:30	Commenced Before Discharge Key Meeting
25-Jul-2007	22:50	Completed Discharge Key Meeting
25-Jul-2007	22:54	Commenced measuring/sampling of ship's tanks and cargo calculations
25-Jul-2007	23:00	Hose (1 x 8") connected
25-Jul-2007	23:48	Completed measurements of ship's tanks
25-Jul-2007	23:54	Completed sampling of ship's tanks
26-Jul-2007	00:48	Completed cargo calculations
26-Jul-2007	04:30	Commenced Discharge
27-Jul-2007	10:45	Completed Discharge
27-Jul-2007	00:48	Commenced measurements of ship's tanks
27-Jul-2007	00:48	Completed measurements of ship's tanks

Delays/Stoppages/Additional Times:

22-Jul-2007	20:35	Vessel anchored to await berth availability
25-Jul-2007	18:00	Vessel raised anchor
25-Jul-2007	19:50	Pilot on board vessel
26-Jul-2007	00:48	Awaiting test results
26-Jul-2007	03:47	Completed analysis

Shore Tank Gauging Times:

Average Discharge Rate:

LS Diesel Oil

375.462 Metric Tons per hour (based on Total quantity of Bill(s) of Lading)
 2,722.099 Metric Tons divided by 7 hours 15 minutes

HS Diesel Oil

433.047 Metric Tons per hour (based on Total quantity of Bill(s) of Lading)
 9,960.070 Metric Tons divided by 23 hours



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ADDITIONAL TIME LOG

<u>Date</u>	<u>Time</u>	
27-Jul-2007	12:15	Completed ROB calculations
27-Jul-2007	12:48	Hose disconnected
27-Jul-2007	13:30	Surveyor disembarked
27-Jul-2007	14:00	Pilot on board
27-Jul-2007	15:32	Last line
27-Jul-2007	15:32	Vessel sailed
29-Jul-2007	08:00	Estimated time to be berthed at PIMPSA terminal

Global Survey Solutions Ltd. Inspector: Diego Rodriguez

For Global Survey Solutions Ltd.



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REPORT OF SHORE BASED QUANTITY

Tank No.		Total Measured Feet - Inches	Free Water Ft - Inches	Total Observed Volume US barrels	Free Water Volume US barrels	Roof Allowance US barrels	Gross Observed Volume (GOV) US barrels	Shell Correc- tion	GOV with shell correction US barrels	Temp °F	API at 60°F	CTL by Table 6B	Gross Standard Volume US bbls @ 60°F
N-188	Before	01' 00"	00' 02 1/4"	1,394.61	259.79		1,134.82	1.00000	1,134.82	84.2	34.50	0.98882	1,122.13
	After	03' 10 1/8"	00' 02 1/4"	5,363.99	259.79		5,104.20	1.00000	5,104.20	84.9	33.70	0.98857	5,045.86
	Difference			3,969.38			3,969.38		3,969.38				3,923.73
N-189	Before	00' 11 7/8"	00' 02 1/2"	1,380.07	288.89		1,091.18	1.00000	1,091.18	86.0	37.30	0.98771	1,077.77
	After	03' 01 1/4"	00' 02 1/2"	4,331.92	288.89		4,043.03	1.00000	4,043.03	87.8	34.30	0.98717	3,991.16
	Difference			2,951.85			2,951.85		2,951.85				2,913.39
PD-3	Before	01' 02 1/8"	00' 04 1/2"	1,597.60	476.43		1,121.17	1.00000	1,121.17	84.6	36.70	0.98843	1,108.20
	After	07' 02 1/4"	00' 04 1/2"	10,007.12	476.43		9,530.69	1.00000	9,530.69	89.8	33.60	0.98632	9,400.31
	Differen			8,409.52			8,409.52		8,409.52				8,292.11
PD-4	Before	04' 04 3/8"	00' 03 3/4"	5,877.00	350.00		5,527.00	1.00000	5,527.00	84.8	36.70	0.98834	5,462.56
	After	08' 00 1/2"	00' 03 3/4"	10,978.00	350.00		10,628.00	1.00000	10,628.00	85.6	35.20	0.9881	10,501.53
	Difference			5,101.00			5,101.00		5,101.00				5,038.97
	Before												
	After												
	Difference												
Pipelines+RTW													
Totals:							20,431.75						20,168.20

Average Temperature	88.1
Average API at 60°F	33.3

Totals	Gross
Gallons at 60°F	847,064
Barrels at 60°F	20,168.20
Long Tons	2,702.732
Metric Tons	2,746.102
Kilograms	2,746,102

Notes: # - None Found/Not measured/Not measurable/Not Applicable
 Origin of API: as advised by Terminal, checked by ourselves
 Pipelines: Reported (by Installation) to be Full



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REPORT OF SHORE BASED QUANTITY

Tank No.		Total Measured Feet - Inches	Free Water Ft - Inches	Total Observed Volume US barrels	Free Water Volume US barrels	Roof Allowance US barrels	Gross Observed Volume (GOV) US barrels	Shell Correc- tion	GOV with shell correction US barrels	Temp °F	API at 60°F	CTL by Table 6B	Gross Standard Volume US bbls @ 60°F
151	Before	00' 00"	00' 00"										
	After	28' 10 1/2"	00' 00"	34,968.91			34,968.91	1.00000	34,968.91	91.4	33.80	0.98556	34,463.96
	Difference			34,968.91			34,968.91		34,968.91				34,463.96
152	Before	01' 09"	00' 05 5/8"	2,119.40	567.70		1,551.70	1.00000	1,551.70	83.1	33.00	0.98945	1,535.33
	After	34 06 3/8"	00' 05 5/8"	41,772.70	567.70		41,205.00	1.00000	41,205.00	92.0	33.80	0.98528	40,598.46
	Difference			39,653.30			39,653.30		39,653.30				39,063.13
	Before												
	After												
	Difference												
	Before												
	After												
	Difference												
	Before												
	After												
	Difference												
Pipelines+RTW													
Totals:							74,622.21						73,527.09

Average Temperature	91.9
Average API at 60°F	33.8

Totals	Gross
Gallons at 60°F	3,088,138
Barrels at 60°F	73,527.09
Long Tons	9,825.702
Metric Tons	9,983.373
Kilograms	9,983,373

Notes: # - None Found/Not measured/Not measurable/Not Applicable
 Origin of API: as advised by Terminal, checked by ourselves
 Pipelines: Reported (by Installation) to be Full

Global Survey Solutions Ltd. Inspector: Diego Rodriguez



ULLAGE REPORT, VESSEL BEFORE DISCHARGE

Summary of Products:

Origin of API:	As witnessed by ourselves at Refinery laboratory
Origin of Measurements:	Vessel automatic gauging system - practicality reasons prevented check with RI equipment

Global Survey Solutions Ltd.Inspector: Diego Rodriguez

List:	Nil
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ULLAGE REPORT, VESSEL AFTER DISCHARGE

Summary of Products:

Origin of API:	As witnessed by ourselves at Refinery laboratory
Origin of Measurements:	Vessel automatic gauging system - practicality reasons prevented check with Surveyor's equipment

Global Survey Solutions Ltd. Inspector: Diego Rodriguez

List:	Nil
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REPORT OF SHIP TEST RESULTS

Report no.	PA 2440
Date of report	July 25, 2007
Vessel	Salvia Express
Location	Apsa Cristobal, Panama
Product	LS Diesel Oil
B/Lading date	July 18, 2007

Sample of: LS Diesel Oil

Sample drawn by: Surveyor on the: 25-Jul-07

Sample description: Multiple ship's tanks sample

Testing performed by: Lab Technician

on the: 26-Jul-2007

<u>Test</u>	<u>Method</u>	<u>Results</u>
API Gravity @ 60°F	ASTM D 287	34.8
Flash Point, dgr. F	ASTM D 93	132
Sulfur Content, wt. %	ASTM D 4294	0.05

For Global Survey Solutions Ltd.

Luisa Gonzalez

When testing is witnessed by Global Survey Solutions Ltd., our responsibility is solely to ensure that the testing is conducted to standard tests methods in accordance with industry accepted practices. Global Survey Solutions Ltd. are not responsible for apparatus, instrumentation or measuring devices, the calibration of same and their working order. Reagents and solutions are accepted as prepared.

The terms and conditions of business of Global Survey Solutions Ltd. will apply.

Any terms or conditions of the customer shall not apply except as accepted in writing by us.



REPORT OF SHIP TEST RESULTS

Report no.	PA 2440
Date of report	July 25, 2007
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Location	Apsa Cristobal, Panama
Product	HS Diesel Oil
B/Lading date	July 18, 2007

Sample of: HS Diesel Oil

Sample drawn by: Surveyor on the: 25-Jul-07

Sample description: Multiple ship's tanks sample

Testing performed by: Lab Technician

on the: 26-Jul-2007

<u>Test</u>	<u>Method</u>	<u>Results</u>
API Gravity @ 60°F	ASTM D 287	34.2
Flash Point, dgr. F	ASTM D 4006	136
Sulfur Content, wt. %	ASTM D 473	0.14

For Global Survey Solutions Ltd.

Luisa Gonzalez

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REPORT OF SHORE TEST RESULTS

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Location Apsa Cristobal, Panama
Product LS Diesel Oil
B/Lading date July 18, 2007

Sample of: LS Diesel Oil

Sample drawn by: Surveyor on the:

Sample description: Single shore tank sample from shore tank No.

Testing performed by: Lab Technician

on the:

<u>Test</u>	<u>Method</u>	<u>Results</u>
API Gravity @ 60°F Water by Distillation, % by volume Sediments by Extraction, % by volume	ASTM D 287 ASTM D 4006 ASTM D 473	

For Global Survey Solutions Ltd.

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Product	HS Diesel Oil
B/Lading date	July 18, 2007

Sample of: HS Diesel Oil

Sample drawn by: Surveyor on the:

Sample description: Single shore tank sample from shore tank No.

Testing performed by: Lab Technician

on the:

<u>Test</u>	<u>Method</u>	<u>Results</u>
API Gravity @ 60°F	ASTM D 287	
Water by Distillation, % by volume	ASTM D 4006	
Sediments by Extraction, % by volume	ASTM D 473	

For Global Survey Solutions Ltd.

When testing is witnessed by Global Survey Solutions Ltd., our responsibility is solely to ensure that the testing is conducted to standard test methods in accordance with industry accepted practices. Global Survey Solutions Ltd. are not responsible for apparatus, instrumentation or measuring devices, the calibration of same and their working order. Reagents and solutions are accepted as prepared.

The terms and conditions of business of Global Survey Solutions Ltd. will apply.

Any terms or conditions of the customer shall not apply except as accepted in writing by us.

Report no.	PA 2440
Date of report	July 25, 2007
Vessel	Salvia Express
Location	Apsa Cristobal, Panama
Product	LS Diesel Oil, HS Diesel Oil
B/Lading date	July 18, 2007

RECEIPT FOR SAMPLES

To: J.H. Kim / Chief Officer

Please sign for receipt of the samples listed below :-

[illegible]

Instructions regarding Samples:

For your care, for destination PIMPSA Terminal

For Global Survey Solutions Ltd.

Diego Rodriguez

Signed for receipt by: J.H. Kim / Chief Officer

Signature: _____



SAMPLE LIST

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil, HS Diesel Oil
 B/Lading date July 18, 2007

Sample Size	Number of Samples	Seal Numbers	Sample Description
1 Gallon	1	Open	Upper, middle & lower: shore tank No. N-188 after discharge
1 Gallon	1	Open	Upper, middle & lower: shore tank No. N-189 after discharge
1 Gallon	1	Open	Upper, middle & lower: shore tank No. PD-3 after discharge
1 Gallon	1	Open	Upper, middle & lower: shore tank No. PD-4 after discharge
1 Gallon	1	Open	Upper, middle & lower: shore tank No. 151 after discharge
1 Gallon	1	Open	Upper, middle & lower: shore tank No. 152 after discharge
1 Gallon	1	Open	Upper, middle & lower: ship's tank 1 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 1 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 2 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 2 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 3 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 3 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 4 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 4 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 5 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 5 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 6 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 6 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 7 Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank 7 Stbd after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank Slop Port after loading
1 Gallon	1	Open	Upper, middle & lower: ship's tank Slop Stbd after loading
1 Gallon	1	Open	Line 1234
1 Gallon	1	19517	Composite vessel tanks before discharge (1st parcel)
1 Gallon	1	19792	Composite vessel tanks before discharge (2nd parcel)

Total Number of Samples Drawn: **25**

Retained samples to be held for a period of not less than **90** days
 All sealed samples listed above put on board vessel against receipt, for destination J.H. Kim

Global Survey Solutions Ltd. Inspector: Diego Rodriguez



VESSEL EXPERIENCE FACTOR REPORT

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil, HS Diesel Oil
 B/Lading date July 18, 2007

The following "**Vessel Experience Factor**" (VEF), has been calculated according to IP Petroleum Measurement Manual Part 16 (Annex C, Method 1), in which the following is noted (see also "REMARKS", below):

- (a) There must be a minimum of five qualifying voyages, but more are preferred.
- (b) Voyages prior to any structural modification which may affect cargo capacities do not qualify.
- (c) Voyages where shore quantities are not available do not qualify.
- (d) No minimum percentage capacity is specified for qualification.
- (e) It is not advised whether quantities should be stated as weight or volume.

Voyage	Cargo	Load Port	Date	Vessel (A)	Shore (B)	Load Ratio (A) / (B)	Qualify Yes / No
Last	Gasoline	Ventspils	12-Jun-2007	321,126.000	321,847.000	0.99776	Yes
2nd last	Gasoline	Point Tupper	18-May-2007	322,110.000	323,042.000	0.99711	Yes
3rd last	Gasoline	St. Croix	4-May-2007	171,171.000	171,843.000	0.99609	Yes
4th last	ULSD	St. Croix	4-May-2007	60,061.000	60,263.000	0.99665	Yes
5th last	HSD	St. Croix	4-May-2007	50,108.000	50,347.000	0.99525	Yes
6th last	ULSD	San Francisco	12-Apr-2007	200,030.000	200,629.000	0.99701	Yes
7th last	Jet A-1	Yosu, Korea	10-Mar-2007	94,605.000	94,792.000	0.99803	Yes
8th last	Alkylate	Yosu, Korea	10-Mar-2007	122,360.000	122,898.000	0.99562	Yes
9th last	Alkylate	Mailiao, Taiwan	7-Mar-2007	80,079.000	80,300.000	0.99725	Yes
10th last	ULSD	Onsan, Korea	24-Jan-2007	277,161.000	277,895.000	0.99736	Yes
11th last	Kerosene	Onsan, Korea	12-Jan-2007	90,013.000	90,046.000	0.99963	Yes
12th last	Kerosene	Ulsan, Korea	11-Jan-2007	179,396.000	180,028.000	0.99649	Yes
13th last	Naphtha	Onsan, Korea	30-Dec-2006	227,672.000	228,466.000	0.99652	Yes
14th last	Naphtha	Ulsan, Korea	21-Dec-2006	211,789.000	212,601.000	0.99618	Yes
15th last	Naphtha	Onsan, Korea	12-Dec-2006	298,806.000	299,677.000	0.99709	Yes
16th last	Condensate	santan, Indonesia	28-Nov-2006	268,612.000	270,003.000	0.99485	Yes
17th last	LSDNS	Shell Bukom, Sign	28-Oct-2006	143,123.000	143,018.000	1.00073	No
18th last	Jet A-1	Shell Bukom, Sign	28-Oct-2006	89,052.000	89,220.000	0.99812	Yes
19th last	REFMS	Shell Bukom, Sign	28-Oct-2006	46,210.000	46,251.000	0.99911	Yes
20th last	Pentane-Plus	Ruwais, UAE	10-May-2006	299,023.000	300,761.000	0.99422	Yes

Step (b) - Totals, excluding present cargo

3,552,507.000	3,563,927.000
---------------	---------------

Step (c) - Ave. Vessel Load Ratio (VLR), (A) ÷ (B)

0.99680

Permissible VLR range (plus / minus 0.3%)

0.99979	to	0.99381
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Step (g) - Totals of qualifying voyages only

3,409,384.000	3,420,909.000
---------------	---------------

Step (h) - Ave. VLR as step (c), qualifying voys. only

0.99663

VLR (VEF) range (plus / minus 0.3%)

0.99962	to	0.99364
---------	----	---------

VESSEL EXPERIENCE FACTOR

= 0.9966

REMARKS: Shore quantities derived from ship cargo measurements do not qualify, whether adjusted for VEF or not.

Global Survey Solutions Ltd. Inspector: Diego Rodriguez



RECEIPT FOR DOCUMENTS

Report no. PA 2440
Date of report July 25, 2007
Vessel Salvia Express
Location Apsa Cristobal, Panama
Product LS Diesel Oil, HS Diesel Oil
B/Lading date July 18, 2007

To: Master/Chief Officer of Vessel

Please sign for receipt of the documents listed below :

Before Loading Key Meeting
Check List
Time Log
Vessel Experience Factor
Quantity Certificate for 1st parcel
Quantity Certificate for 2nd parcel
Vessel Ullage Report Before Discharge
Vessel Ullage Report After Discharge
Receipt for Samples
Vessel Sealing Report
Bunker Survey Report (Heavy Fuel Oil)
Bunker Survey Report (Marine Diesel Oil)
<u>Instructions regarding Documents:</u>

Global Survey Solutions Ltd.Inspector: Diego Rodriguez

SIGNED FOR RECEIPT BY: J.H. Kim / Chief Officer

**BUNKER SURVEY REPORT (FUEL OIL)**

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil, HS Diesel Oil
 B/Lading date July 18, 2007

Vessel information from Chief Engineer

Average bunker consumption per day, Mt:	At Anchorage: 5.00	At Sea: 75.00	In Port: 10.000
Remarks:	Last Port of Call:	Sailing Bunkers at last Port, Mt: 1,477.000	
	Sailing Date: 12-Jun-2007	Time: 07:07	
Properties:	Flash point, °F: No information	API: 11.3 - 11.7	Sulfur, wt %: No information

Inspection upon arrival Date: 25-Jul-2007 Time: 22:54

Vessel tanks	Ullages		GOV m ³	API at 60°F	GOV US barrels	Temp. °F	CTL T- 6B	GSV, US barrels at 60°F
	L.E.L.	mts						
9 Stbd	N/A	12.350	342.0	11.3	2,151.120	122.0	0.97635	2,100.250
26 Port	N/A	11.670	349.0	11.7	2,195.140	95.0	0.98664	2,165.810
Settling Port	N/A	Auto	104.0	11.7	654.140	176.0	0.95535	624.930
Settling Stbd	N/A	Auto	105.0	11.7	660.430	176.0	0.95535	630.940
Daily Port	N/A	Auto	125.0	11.7	786.230	158.0	0.96235	756.630
Daily Stbd	N/A	Auto	126.0	11.7	792.520	158.0	0.96235	762.680

Total GSV US barrels: **7,041.24**
 Mt / US bbls factor: by API MPMS Chapter 11.5.
 Metric tons: **1,104.837**

Inspection prior to sailing Date: 27-Jul-2007 Time: 12:15

Vessel tanks	Ullages		GOV m ³	API at 60°F	GOV US barrels	Temp. °F	VCF T- 6B	GSV, US barrels at 60° F
	L.E.L.	mts						
9 Stbd	N/A	12.350	322.0	11.3	2,025.320	122.0	0.98664	1,977.420
26 Port	N/A	11.670	349.0	11.7	2,195.140	95.0	0.95535	2,165.810
Settling Port	N/A	Auto	104.0	11.7	654.140	176.0	0.95535	624.930
Settling Stbd	N/A	Auto	105.0	11.7	660.430	176.0	0.96235	630.940
Daily Port	N/A	Auto	125.0	11.7	786.230	158.0	0.96235	756.630
Daily Stbd	N/A	Auto	126.0	11.7	792.520	158.0		762.680

Total GSV US bbls: **6,918.41**
 Mt / US bbls factor: by API MPMS Chapter 11.5.
 Metric tons: **1,085.526**

Consumption this port: 19.311
 Elapsed hour: 30.3
 Per day average: 15.321
 Did vessel bunker at this port? No

**BUNKER SURVEY REPORT (DIESEL OIL)**

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil, HS Diesel Oil
 B/Lading date July 18, 2007

Vessel information from Chief Engineer

Average bunker consumption per day, Mt:	At Anchorage: 0.05	At Sea: 0.05	In Port: 0.050
Remarks:	Last Port of Call:	Sailing Bunkers at last Port, Mt: 39.500	
	Sailing Date: 12-Jun-2007	Time: 07:07	
Properties:	Flash point, °F: No information	API: 32.9	Sulfur, wt %: No information

Inspection upon arrival Date: 25-Jul-2007 Time: 22:54

Vessel tanks	Ullages		GOV m ³	API at 60°F	GOV US barrels	Temp. °F	CTL T- 6B	GSV, US barrels at 60°F
	L.E.L.	mts						
Service Tank	N/A	Auto	34.0	32.9	213.850	104.0	0.97988	209.550
Settling Tank	N/A	Auto	30.0	32.9	188.690	104.0	0.97988	184.890
Storage Tank	N/A	Auto	30.0	32.9	188.690	104.0	0.97988	184.890
Total GSV US barrels:								579.33
Mt / US bbls factor: by API MPMS Chapter 11.5.								
Metric tons:								79.099

Inspection prior to sailing Date: Time:

Vessel tanks	Ullages		GOV m ³	API at 60°F	GOV US barrels	Temp. °F	VCF T- 6B	GSV, US barrels at 60° F
	L.E.L.	mts						
Service Tank	N/A	Auto	34.0	32.9	213.850	104.0	0.97988	209.550
Settling Tank	N/A	Auto	30.0	32.9	188.690	104.0	0.97988	184.890
Storage Tank	N/A	Auto	30.0	32.9	188.690	104.0	0.97988	184.890
Total GSV US bbls:								579.33
Mt / US bbls factor: by API MPMS Chapter 11.5.								
Metric tons:								

Consumption this port: 79.099
 Elapsed hour: 30.3
 Per day average: 62.756
 Did vessel bunker at this port? No



LINE DISPLACEMENT REPORT

SHORE LINE FULLNESS VERIFICATION AS PER LINE DISPLACEMENT

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product LS Diesel Oil
 B/Lading date July 18, 2007

RECEIVED BY VESSEL:					
Tank	Observed Gauges	TOV Observed Volumes	Observed Water Gauges	Free Water Volumes	Gross Observed Volumes
	Metres	US barrels	Metres	US barrels	US barrels
Open					
Close					
Open					
Close					
Totals					

DELIVERED BY SHORE:					
Tank	Observed Gauges	TOV Observed Volumes	Observed Water Gauges	Free Water Volumes	Gross Observed Volumes
	Feet - Inches	US barrels	Feet - Inches	US barrels	US barrels
Open					
Close					
Open					
Close					
Totals					

SHORE LINE DISPLACEMENT CONDITON / RESULT:	
Ship's Figures Received (G.O.V., US barrels)	
Shore Figures Delivered (G.O.V., US barrels)	
Line Capacity, Vessel (G.O.V. US barrels)	
Apparent Slack (G.O.V. US barrels)	
EVENTS	TIME
Commenced Line Displacement	
Completed Line Displacement	
Resumed Loading	

Date: _____
 Signed by: _____
 For: Shore Representative

Date: _____
 Signed by: _____
 For: Global Survey Solutions Ltd.



LINE DISPLACEMENT REPORT

SHORE LINE FULLNESS VERIFICATION AS PER LINE DISPLACEMENT

Report no. PA 2440
 Date of report July 25, 2007
 Vessel Salvia Express
 Location Apsa Cristobal, Panama
 Product HS Diesel Oil
 B/Lading date July 18, 2007

RECEIVED BY VESSEL:

Tank	Observed Gauges	TOV Observed Volumes	Observed Water Gauges	Free Water Volumes	Gross Observed Volumes
	Metres	US barrels	Metres	US barrels	US barrels
Open					
Close					
Open					
Close					
Totals					

DELIVERED BY SHORE:

Tank	Observed Gauges	TOV Observed Volumes	Observed Water Gauges	Free Water Volumes	Gross Observed Volumes
	Feet - Inches	US barrels	Feet - Inches	US barrels	US barrels
Open					
Close					
Open					
Close					
Totals					

SHORE LINE DISPLACEMENT CONDITON / RESULT:

Ship's Figures Received (G.O.V., US barrels)

Shore Figures Delivered (G.O.V., US barrels)

Line Capacity, **Vessel** (G.O.V. US barrels)Apparent **Slack** (G.O.V. US barrels)

EVENTS	TIME	DATE
Commenced Line Displacement		
Completed Line Displacement		
Resumed Loading		

Date: _____
 Signed by: _____
 For: Shore Representative

Date: _____
 Signed by: _____
 For: Global Survey Solutions Ltd.



Page 1 of 2

Date: 25-Jul-2007
Signed by: Diego Rodriguez
For: Global Survey Solutions Ltd.



VESSEL SEALING REPORT

Date: 25-Jul-2007
Signed by: J.H. Kim
For: Shore Representative

Date: 25-Jul-2007
Signed by: Diego Rodriguez
For: Global Survey Solutions Ltd.



Report no. PA 2440
Date of report July 25, 2007
Vessel Salvia Express
Location Apsa Cristobal, Panama
Product LS Diesel Oil
B/Lading date July 18, 2007

LETTER OF PROTEST

Global Survey Solutions Ltd.

Telephone :
Fax :
E-mail : ops@surveycalc.com.com

Date: 27-Jul-2007

To: Whom It May Concern

Dear Sirs,

We have been appointed as Inspectors on the above named vessel. Acting on behalf of our Principals the following is brought to your attention:

A difference between shore-based Bill of Lading quantity and vessel loaded figures in excess of 0.5%:

	<u>US barrels at 60°F</u>
Total of Bills of Lading	20,167.540
Outturn quantity	<u>20,168.200</u>
Difference	0.660
% Difference	0.003

We hereby reserve the right of our Principals to make reference to the above at a later date.

Signed on behalf of Global Survey Solutions Ltd.
& printed name:

Diego Rodriguez _____

Signed for receipt by & printed name:

Eduardo Jimenez _____

On behalf of:

Apsa Cristobal Terminal, Panama



Report no. PA 2440
Date of report July 25, 2007
Vessel Salvia Express
Location Apsa Cristobal, Panama
Product HS Diesel Oil
B/Lading date July 18, 2007

LETTER OF PROTEST

Global Survey Solutions Ltd.

Telephone :
Fax :
E-mail : ops@surveycalc.com.com

Date: 27-Jul-2007

To: Whom It May Concern

Dear Sirs,

We have been appointed as Inspectors on the above named vessel. Acting on behalf of our Principals the following is brought to your attention:

A difference between shore-based Bill of Lading quantity and vessel loaded figures in excess of 0.5%:

	<u>US barrels at 60°F</u>
Total of Bills of Lading	73,525.740
Outturn quantity	<u>73,527.090</u>
Difference	1.350
% Difference	0.002

We hereby reserve the right of our Principals to make reference to the above at a later date.

Signed on behalf of Global Survey Solutions Ltd.
& printed name:

Diego Rodriguez _____

Signed for receipt by & printed name:

Eduardo Jimenez _____

On behalf of:

Apsa Cristobal Terminal, Panama