



**Global Survey Solutions Ltd.**

OCI Chemical Corporation  
1800 West Oak Common Ct.  
Marietta, GA 30062

Attn: Mr Steve Holbrook

## **COVERING LETTER**

Your Reference: AESSA 231432

Report No.	US-16433
Date	January 16, 2009
Vessel	Scheldegracht
Installation	Kinder Morgan Bulk Terminal
Location	Port Arthur, Texas
Grade	Dense grade Soda Ash

### **RE: M/V Scheldegracht**

**Dear Mr Steve Holbrook**

We have pleasure in enclosing herewith our Survey Report and copies of field reports for the above referenced vessel's call at Port Arthur, Texas:

From January 15, 2009 to January 16, 2009.

We trust that you will find these in order.

Sincerely yours,

**William Manes**

**Global Survey Solutions Limited**

Should you have any query, or require any additional information, please contact Mr. Bill Manes at our Houston, USA office ( telephone number + 1 (713) 123 456 78).



Report No. US-16433  
Date January 16, 2009  
Vessel Scheldegracht  
Installation Kinder Morgan Bulk Terminal  
Location Port Arthur, Texas  
Grade Dense grade Soda Ash

## LIST OF SURVEY DOCUMENTS

In accordance with instructions received our Surveyor attended the above referenced vessel and now reports as per the documents listed hereunder.

Document Title	Number of Reports
Covering Letter	One
List Of Survey Documents	One
Report Of Survey	One
Time Log	One
Ship'S Particulars	One
Certification Of Last Five Cargoes	One
Stowage Plan	One
Certificate Of Weight	One
Sample Receipt	One
Certificate Of Hatch Seals	One
Requirements For Acceptance To Load	One
Provisional Inspection Of Cargo Holds Condition	One
Cleanliness Certificate Of Vessel Cargo Compartments	One
Cleanliness Certificate Of Facility	One
Certificate Of Quality	One
Vessel Loading Summary	One
Draught Survey Statement (Page 1 of 2)	One
Draught Survey Statement (Page 2 of 2)	One
Water Soundings Before	One
Water Soundings After	One
Bunker Survey Before	One
Bunker Survey After	One
<b>Total reports:</b>	<b>Twenty two</b>

OCI Chemical Corporation

## REPORT OF SURVEY

Report No. US-16433

Date January 16, 2009

At the request of: OCI Chemical Corporation  
1800 West Oak Common Ct.  
Marietta, GA 30062

For the attention of: Mr Steve Holbrook

Vessel: Scheldegracht  
Registry: Amsterdam, Netherlands  
Terminal: Kinder Morgan Bulk Terminal  
Port of Loading: Port Arthur, Texas  
Dates: From January 15, 2009 to January 16, 2009  
Cargo: Dense grade Soda Ash  
Destination: Antwerp, Belgium

### QUANTITY

OCI Chemical Corporation Parcel	12 007.000 MT
Solvay Chemicals Parcel	6 000.000 MT

Total Quantity Loaded	18 007.000 MT
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Charterer: AESSA (American-European Soda Ash Shipping Association, Inc.)

Agents: General Maritime Agency, Inc.

Supplier: AESSA (American-European Soda Ash Shipping Association, Inc.)

This will certify that under-signed Marine Cargo Surveyor acting upon the request of its Principal did attend the subject vessel prior to and during loading at the above specified terminal.

The vessel arrived at the Terminal on January 15, 2009 . First line was ashore at 03:45 and was All Fast at 04:06 on January 15, 2009.

Our Surveyor boarded the vessel at 04:30 on January 15, 2009 at the loading dock and Holds 1, 2, 3, 4, 5, 6, and 7 were found suitable for loading, in accordance with the Requirements for loading designated cargo in Bulk at 05:45 on January 15, 2009.

At a discussion with the vessel's command it was decided that Nine moves of the vessel were necessary to load in a safe manner.

The shore facility was inspected and found to be clean and mechanically ready and approved in all aspects to load the cargo as of 04:30 on January 15, 2009.

Prior to loading, a check list of the rail-cars to be loaded was made with the Stevedores and compared to the Shipper's Manifest, and was found to agree with respect to rail-car numbers and weights.

**RAILCARS**

Railcars were inspected at the Terminal sidings. The upper hatches and lower gates were found sealed. The compartments were opened and examined for leakage, hardening and contamination. No deficiencies were found. The seals were carefully collected by the Stevedores to prevent entry into the cargo being loaded. During loading, the Surveyor maintained a log of railcars by number and weight, which was in agreement with the list kept by the Stevedores. After loading, all railcars were again checked. And found completely emptied and hopper gates closed.

**STOWAGE**                      **Total Quantity Loaded:**      135 rail-cars      28,613,900 lbs      12,979.063 Mt

Hold Name	Grade	Total, Rail-Cars	Total, Pounds	Total, Mt
1	Soda Ash Dense in Bulk	43	9 049 965	4 105.000
2	Soda Ash Dense in Bulk	92	19 563 798	8 874.000
3	Soda Ash Dense in Bulk	52	11 084 829	5 028.000

**LAST FIVE CARGOES**

Hold Name	1st Last	2nd Last	3rd Last	4th Last	5th Last
1	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels
3	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels
3	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels

**STATEMENT OF FACTS**

Time	Date	Operation
15:30	12.Jan.09	Certificate of Facility Cleanliness Issued
03:45	15.Jan.09	First Line Ashore
04:25	15.Jan.09	All Fast at Kinder Morgan Bulk Terminal
05:45	15.Jan.09	Clean Holds certificate Issued to Vessel
07:55	15.Jan.09	Commenced Loading

15:50	16.Jan.09	Completed Loading
18:15	16.Jan.09	Vessel Sailed

### SAMPLING

Representative samples were taken and sealed. Composite samples of each parcel were placed on board in the custody of the Master for delivery to the Receiver or their surveyor (Please see attached Sample Receipt). Identical samples were retained by us for analysis and retained for a minimum of six months.

### SEALING

Upon completion of loading, access ways and hatches were carefully examined, closed and sealed. Hatch Cover edges were covered with good quality Marine Tape. Cargo was covered with Plastic Sheeting.

### WEATHER

Mild temperatures and some precipitations recorded during loading. The high temperature was in the low 80's and the low temperature was in the mid 50's.

Hatch Cover edges were covered with good quality Marine Tape. Cargo was covered with Plastic Sheeting.

### CARGO GEAR

Vessel is a General Cargo Carrier and has Two 40-ton Gantry Cranes.

Several delays occurred during loading due to spout and terminal repairs.

**CERTIFIED CORRECT,  
Robinson International**

Signed:  
Surveyor / Robert Gachez



Report No. US-16433  
 Date January 16, 2009  
 Vessel Scheldegracht  
 Installation Kinder Morgan Bulk Terminal  
 Location Port Arthur, Texas  
 Grade Dense grade Soda Ash

**TIME LOG**

Time	Date	Operation
16:48	07.Jan.09	Vessel arrived at Sabine pilot station
14:00	12.Jan.09	Launch departed Sabine Pass Texas with Surveyor for off shore hold inspection
14:45	12.Jan.09	Surveyor on Board -Key Meeting
15:30	12.Jan.09	Holds 1, 2 3 passed provisional off shore hold inspection
16:20	12.Jan.09	Launch arrived at Sabine Pass Texas
01:30	15.Jan.09	Pilot on board
03:30	15.Jan.09	Vessel backing Down
03:45	15.Jan.09	First Line Dropped
04:06	15.Jan.09	All Fast
04:30	15.Jan.09	Terminal Facilities passed cleanliness inspection by Surveyor
05:45	15.Jan.09	Holds 1, 2, 3 Pass Inspection, Certificate Issued
06:30	15.Jan.09	Surveyor completed Initial Draft Survey
07:55	15.Jan.09	Commenced Loading of Hold # 2
15:20	15.Jan.09	Standby to Move Hatch Covers
15:40	15.Jan.09	Resumed Loading of Hold # 2
17:35	15.Jan.09	First Pass Hold # 2 Complete, Standby to Shift to Hold # 3
17:45	15.Jan.09	Shifting Commenced
17:55	15.Jan.09	Shifting Completed
18:05	15.Jan.09	Commenced Loading of Hold # 3
20:05	15.Jan.09	Standby for KCS to Pull Empties
20:25	15.Jan.09	Resumed Loading of Hold # 3
22:50	15.Jan.09	Standby to fix able on Boom
00:15	16.Jan.09	Resumed Loading of Hold # 3
03:30	16.Jan.09	Complete Loading of Hold # 3 - Standby to Shift to Hold # 1
03:55	16.Jan.09	Shifting Commenced
04:05	16.Jan.09	Shifting Completed
04:45	16.Jan.09	Commenced Loading of Hold # 1
11:25	16.Jan.09	Hold # 1 Completed, Standby for Vessel to Move pontoons and to shift
12:45	16.Jan.09	Shifting Commenced
13:00	16.Jan.09	Shifting Completed
13:15	16.Jan.09	Resumed Loading of Hold # 2
15:50	16.Jan.09	Complete Loading of Hold # 2 - Vessel Completed Loading
15:55	16.Jan.09	Surveyor completed Final Draft Survey
17:55	16.Jan.09	Crew secured cargo holds
17:55	16.Jan.09	Surveyor Disembarked Vessel
18:15	16.Jan.09	Pilot on Board
15:50	16.Jan.09	Last Line - Vessel Sailed

Signed: Master / M.K. Daane



Report No. US-16433  
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## SHIP'S PARTICULARS

Type of Vessel	General Bulk Carrier
Classification	Class Society: Lloyd's Shipping Register
Port of Registry / Nationality	Amsterdam / Netherlands
Vessel's Owners	Spliethoff's Bevrachtingskantoor - Amsterdam, Netherlands
Year Built	2000
L.O.A.	172 m
Breadth	25.5 m
Deadweight (Summer)	21,250 tons
Official Number	IMO 922510, MMSI 244730000
Captain	M.K. Daane
Document of Compliance	15.Oct.10      Expiry Date
Cargo Gear	5 side shifters, starboard side, capacity 16 T SWL, 550 T capacity per hour NMF 3 of 120 T SWL / 14 m and 50 T SWL / 30 m / 2 x PS (aft and mid) + 1 x SB (foreward)

Signed:

Surveyor / Robert Gachez



Report No. US-16433  
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### **CERTIFICATION OF LAST FIVE CARGOES**

This is to certify that the last five (5) bulk cargoes loaded according to the vessel's records are as follows:  
Information obtained from vessel's records, confirmed, and vessel inspected by:

<b>Hold Name</b>	<b>1st Last</b>	<b>2nd Last</b>	<b>3rd Last</b>	<b>4th Last</b>	<b>5th Last</b>
1	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels
2	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels
3	General cargo & steel	Alumina in bulk	General bulk & steel	Alumina in bulk	Paper reels

Signed:  
Master / M.K. Daane

Signed:  
Surveyor / Robert Gachez





Report No. US-16433  
Date January 16, 2009  
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## STOWAGE PLAN

This is to certify that the cargo has been stowed and all separations and fittings have been completed in compliance with National Cargo Bureau regulations and to my full satisfaction.

Hold Name	Grade	Destination	Destination port1, Country1	Destination port2, Country2	Destination port3, Country3
		Total by Hold, Mt	Mt	Mt	Mt
1	Soda Ash Dense in Bulk	4 105.000			
2	Soda Ash Dense in Bulk	8 874.000			
3	Soda Ash Dense in Bulk	5 028.000			
4					
5					
6					
7					

TOTAL, Metric Tons	18 007.000			
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Signed: Master / M.K. Daane

Signed: Surveyor / Robert Gachez



Report No. US-16433  
 Date January 16, 2009  
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 Location Port Arthur, Texas

**CERTIFICATE OF WEIGHT**

This is to certify that the undersigned Surveyor attended, prior to and during the Loading of the subject vessel. Each rail-car was inspected for proper unbroken seals, numbers and weight before Loading . Weight was determined by rail-car scale tickets. Total quantity loaded onboard the subject vessel for is:

	Supplier	Destination	Antwerp, Belgium			Total by Rail Cars
		Grade	Mt	Mt	Mt	Mt
1	AESSA	Dense grade Soda Ash	18 007.000			18 007.000
GRANDTOTAL, Metric tons			18 007.000			18 007.000

**Remark:** One Metric Ton = 2,204.62 lbs.

Signed:  
 Master / M.K. Daane

Signed:  
 Surveyor / Robert Gachez



Report No. US-16433  
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 Grade Dense grade Soda Ash

**SAMPLE RECEIPT**

The following representative samples taken during loading are being placed on board your vessel and in your custody for delivery to the Receivers or their Surveyors at Discharge Port.

Kindly sign at the bottom of this document as receipt for the listed samples.

No. / Size of Samples	Sample Description	Hold Name	Grade	Seal Numbers
1 x 10 kg	Composite	1	Dense grade Soda Ash	GSS 324113

Signed: Master / M.K. Daane

Signed: Surveyor / Robert Gachez



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### CERTIFICATE OF HATCH SEALS

This is to certify that the ventilators servicing the below listed holds have been closed. Seals have been placed on accessways and hatches, and are not to be removed until inspected at the discharge port.

Hold Name	Seal Numbers			
	Forward Access	Hatch Cover	After Access	
1	0000033	0000034	0000035	0000036
2	0000030	0000031	0000032	
3	0000027	0000028	0000029	

Signed: Master / M.K. Daane

Signed: Surveyor / Robert Gachez



Report No. US-16433  
Date January 16, 2009  
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## **REQUIREMENTS FOR ACCEPTANCE TO LOAD DENSE GRADE SODA ASH**

To: Whom It May Concern

Dear Sir,

This is to advise you that the hatch cleanliness requirements for the above referenced cargo are extremely stringent, as the product is very susceptible to contamination.

The following requirements must be met:

1. The paint in the holds must be in compliance with the charter party requirements.
2. There should be no rust scale, loose paint or cargo residues in the hold, hatches or hatch covers.
3. Where hatches have been freshly painted, the paint should have had time to properly cure and dry. The use of paint to cover loose scale and improperly prepared surfaces is not permitted.
4. There is to be no standing water in the holds.
5. The main deck area is to be swept clean of all previous cargo residues.
6. All vents are to closed prior to loading.

NOTE: DO NOT VENTILATE CARGO DURING PASSAGE.

Receipt acknowledged by:

Master / M.K. Daane



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## **PROVISIONAL INSPECTION OF CARGO HOLDS CONDITION**

Hold Names: 1, 2, 3

Time Accepted: 15:30 January 12, 2009

The above mentioned holds are conditional upon a final survey alongside the loading berth in day-light hours, considered to be clean, dry and free of loose scale and rust at the time of inspection.

This inspection is made without prejudice or question of liability, and is for the benefit of whom it may eventually concern. A copy of Supplier's Cleanliness Guidelines was hand delivered to the Master.

Remarks:

Signed:

Surveyor / Robert Gachez



Report No. US-16433  
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## **CLEANLINESS CERTIFICATE OF VESSEL CARGO COMPARTMENTS**

Hold Names: 1, 2, 3

Time Accepted: 05:45 January 15, 2009

This is to certify that we inspected the cargo holds referenced above, and at this time found the above holds to be clean, dry and free of loose rust/scale and suitable to receive the nominated cargo.

The Surveyor is not responsible for contamination due to incidents in transit or method of discharge.

Remarks:

Signed:

Surveyor / Robert Gachez



Report No. US-16433  
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## **CLEANLINESS CERTIFICATE OF FACILITY**

Terminal: Kinder Morgan Bulk Terminal

Time Accepted: 04:30 January 15, 2009

This is to certify that we inspected the Terminal referenced above, and found same to be clean, dry and suitable to load the nominated cargo of .

This certificate is made without prejudice or question of liability, and is for the benefit of whom it may eventually concern.

Remarks:

Signed:

Surveyor / Robert Gachez



Report No. US-16433  
 Date January 16, 2009  
 Vessel Scheldegracht  
 Installation Kinder Morgan Bulk Terminal  
 Location Port Arthur, Texas  
 Grade Dense grade Soda Ash  
 Supplier January 16, 2009

## CERTIFICATE OF QUALITY

This is to certify that the under-signed Surveyor attended the subject vessel prior to and during Loading. Further each rail-car was inspected for proper, unbroken seals and numbers prior to Loading. Representative samples were collected and composited into glass jars for retention.

### PRODUCT SPECIFICATIONS

Item No.	Product Properties	Units	Specifications	Test Method	Test Result
1	Assay as Na <sub>2</sub> O	% wt	min. 58.0%		0.5845
2	Assay as Na <sub>2</sub> CO <sub>3</sub>	% wt	min. 99.2%		0.9997
3	Sulfate as Na <sub>2</sub> SO <sub>4</sub>	% wt	max. 0.2%		<0.005%
4	Iron as Fe <sub>2</sub> O <sub>3</sub>	ppm	max. 20 ppm		0.5 ppm
5	Chloride as NaCl	% wt	max. 0.1%		0.026%
6	Bulk Density	g/cu cm	0.89 - 1.09 g/cu cm		1.04 g/cu cm
7	Bulk Density	lb/cu ft	57 - 70 lb/cu ft		64.93 lb/cu ft
8	Sieve analysis	Retained, %	Cumulative, %	Passing, %	Guarantee, %
9	Sieve No. 20	0.1	0.1	99.9	5% Cumulative
10	Sieve No. 30	0.9	1	99	
11	Sieve No. 40	16	17	83	
12	Sieve No. 50	39.4	56.4	43.6	
13	Sieve No. 80	35.6	92	8	
14	Sieve No. 100	4.8	96.8	3.2	

It is further to certify that the Dense grade Soda Ash is of and acceptable quality and conforms to the contracted specifications. All material was loaded on the subject vessel and of U.S.A. origin.

Signed:

Surveyor / Robert Gachez



Report No. US-16433  
Date January 16, 2009  
Vessel Scheldegracht  
Installation Kinder Morgan Bulk Terminal  
Location Port Arthur, Texas  
Grade Dense grade Soda Ash

### VESSEL LOADING SUMMARY

#### Summary by Hold

GRANDTOTAL	39698592 lbs	18007 Mt	187 rail-cars
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Hold Name	Grade	Total, Pounds	Total, Mt	Total, Rail-Cars
1	Soda Ash Dense in Bulk	9 049 965	4 105.000	43
2	Soda Ash Dense in Bulk	19 563 798	8 874.000	92
3	Soda Ash Dense in Bulk	11 084 829	5 028.000	52
4				
5				
6				
7				

#### Summary by Grade

GRANDTOTAL	39698592 lbs	18007 Mt	187 rail-cars
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Item No.	Grade	Total, Pounds	Total, Mt	Total, Rail-Cars
1	Soda Ash Dense in Bulk	39 698 592	18 007.000	187

Signed:

Surveyor / Robert Gachez

Report No. US-16433  
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## DRAUGHT SURVEY STATEMENT

Page 1 of 2

Vessel information L.B.P.	160.700 m
Lightship weight	9 536.513 Mt

	BEFORE	AFTER
<b>OBSERVED DATA</b>		
Draught Forward Port	5.440 m	10.270 m
Draught Forward Starboard	5.440 m	10.280 m
<b>Mean Forward Draught</b>	<b>5.440 m</b>	<b>10.275 m</b>
Draught Midship Port	6.090 m	10.720 m
Draught Midship Starboard	6.290 m	10.380 m
<b>Mean Midship Draught</b>	<b>6.190 m</b>	<b>10.550 m</b>
Draught After Port	7.150 m	10.810 m
Draught After Starboard	7.150 m	10.810 m
<b>Mean After Draught</b>	<b>7.150 m</b>	<b>10.810 m</b>
<b>OBSERVED TRIM</b>	<b>1.710 m</b>	<b>0.535 m</b>
Vessel's Trim:	<i>By Stern</i>	<i>By Stern</i>
<b>MEANS CALCULATIONS</b>		
Fore marks are towards (fore/aft/on f.pp.)	<i>fore</i>	<i>fore</i>
Distance of forward mark from forward perpendicular	1.20 m	1.20 m
Midship marks are towards (fore/aft/on m.pp.)	<i>on m.pp</i>	<i>fore</i>
Distance of midship mark from midship perpendicular	0.00 m	0.00 m
After marks are towards (fore/aft/on a.pp.)	<i>aft</i>	<i>aft</i>
Distance of after mark from after perpendicular	0.80 m	4.50 m
Distance between forward and after Draught marks	158.700 m	155.000 m
Correction to Forward Draught (Stem Correction)	0.013 m	0.004 m
<b>True Forward Draught (correctedd to f.pp.)</b>	<b>5.453 m</b>	<b>10.279 m</b>
Correction to mid-point (Midship Correction)	0.000 m	0.000 m
<b>True Amidship's Draught (corrected to m.pp.)</b>	<b>6.190 m</b>	<b>10.550 m</b>
Correction to After Draught (Stern Correction)	-0.009 m	-0.016 m
<b>True After Draught (corrected to a.pp.)</b>	<b>7.141 m</b>	<b>10.794 m</b>
<b>SAG AND HOG CORRECTION</b>		
Draught fore and after mean	6.297 m	10.537 m
Sag (+) or Hog (-)	-0.107 m	0.013 m
Mean of means	6.244 m	10.543 m
Draught extreme corrected (6th Mean/MMM)	6.217 m	10.547 m
Applicable keel thickness		
Draught moulded corrected (MMCO - MM corr.d)		
<b>True Trim</b>	<b>1.688 m</b>	<b>0.515 m</b>

Draught, densities, fresh water and ballast soundings witnessed and agreed to by the undersigned.  
 Remarks:

Signed: Master / M.K. Daane

Report No. US-16433  
 Date January 16, 2009  
 Vessel Scheldegracht  
 Installation Kinder Morgan Bulk Terminal  
 Location Port Arthur, Texas  
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## DRAUGHT SURVEY STATEMENT

Page 2 of 2

	BEFORE	AFTER
<b>FIRST TRIM CORRECTION CALCULATIONS</b>		
Longitudinal Centre of Flotation (from mid-point)	0.810 m	1.950 m
Direction of L.C.F. and trim about midship (same/opp.)	<i>same</i>	<i>same</i>
L.C.F. aft (1) or fwd (-1)	1	1
Tonnes per Centimetre Immersion	29.780 Mt/cm	34.850 Mt/cm
<b>FIRST TRIM CORRECTION</b>	<b>25.344 Mt</b>	<b>21.792 Mt</b>
<b>SECOND TRIM CORRECTION CALCULATIONS</b>		
M.T.C. 1 (Mid of Mean corrected + 0.50 m)	6.717 Mt	11.047 Mt
M.T.C. 2 (Mid of Mean corrected - 0.50 m)	5.717 Mt	10.047 Mt
Difference M.T.C.	1.000 Mt	1.000 Mt
<b>SECOND TRIM CORRECTION</b>	<b>0.887 Mt</b>	<b>0.083 Mt</b>
<b>TOTAL TRIM CORRECTION</b>	<b>26.231 Mt</b>	<b>21.875 Mt</b>
<b>DISPLACEMENT CALCULATION</b>		
Dockwater Displacement from 6th Mean Draught	16 137.563 Mt	29 999.466 Mt
True Dock Displacement (Displ.t corrected for trim)	16 163.794 Mt	30 021.341 Mt
Observed Sea Density (Hydrometer Reading)	1.0160 kg/l	1.0130 kg/l
Calibration Density for Dock Displ.t (Ship's tables)	1.0250 kg/l	1.0250 kg/l
Correction for Density Average	-141.926 Mt	-351.469 Mt
True Salt Water Displacement (corrected for density)	16 021.868 Mt	29 669.872 Mt
<b>DEDUCTIONS TO DISPLACEMENT</b>		
Ballast Water & Slops	5 003.000 Mt	461.000 Mt
Fresh Water		
Bunkers H.F.O.	530.400 Mt	680.400 Mt
Bunkers M.D.O.	261.200 Mt	254.300 Mt
Lubrication Oil	53.600 Mt	125.000 Mt
Swimming Pool		
Anchor & Chain		
Others	650.000 Mt	650.000 Mt
<b>Total Tons to be Deducted</b>	<b>6 498.200 Mt</b>	<b>2 170.700 Mt</b>
<b>NETT DISPLACEMENT</b>	<b>9 523.668 Mt</b>	<b>27 499.172 Mt</b>

<b>TOTAL WEIGHT LOADED BY DRAUGHT (Mt):</b>	<b>17 975.503</b>
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Draught, densities, fresh water and ballast soundings witnessed and agreed to by the undersigned.  
 Remarks:

Signed: Master / M.K. Daane



Report No. US-16433  
 Date January 16, 2009  
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 Location Port Arthur, Texas  
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**WATER SOUNDINGS BEFORE**

Starting Soundings: From: 06:10 15-Jan-09  
 To: 06:30 15-Jan-09

<b>BALLAST</b>			<b>Water Density:</b>		
Compartment Title	Reference Height, m	Observed Innage, m	Corrected Innage, m	Corrected Volume, cu m	Total Weight, Mt

**TOTAL BALLAST BEFORE**

<b>FRESH WATER</b>			<b>Water Density:</b>		
Compartment Title	Reference Height, m	Observed Innage, m	Corrected Innage, m	Corrected Volume, cu m	Total Weight, Mt

**TOTAL FRESH WATER BEFORE**

Obstructions in sounding pipe(s):

Remarks:

Signed: Master / M.K. Daane



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 Installation Kinder Morgan Bulk Terminal  
 Location Port Arthur, Texas  
 Grade Dense grade Soda Ash

**WATER SOUNDINGS AFTER**

Finishing Soundings: From: 15:45 16-Jan-09  
 To: 15:55 16-Jan-09

<b>BALLAST</b>				<b>Water Density:</b>	
Compartment Title	Reference Height, m	Observed Innage, m	Corrected Innage, m	Corrected Volume, cu m	Total Weight, Mt

**TOTAL BALLAST AFTER**

<b>FRESH WATER</b>				<b>Water Density:</b>	
Compartment Title	Reference Height, m	Observed Innage, m	Corrected Innage, m	Corrected Volume, cu m	Total Weight, Mt

**TOTAL FRESH WATER AFTER**

Obstructions in sounding pipe(s):

Remarks:

Signed: Master / M.K. Daane



Report No. US-16433  
 Date January 16, 2009  
 Vessel Scheldegracht  
 Installation Kinder Morgan Bulk Terminal  
 Location Port Arthur, Texas  
 Grade Dense grade Soda Ash

**BUNKER SURVEY BEFORE**

Starting Soundings: From: 06:10 15-Jan-09	To: 06:30 15-Jan-09
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FUEL OIL BEFORE								
Compartment Title	Ullage / Dip (m) / Auto	GOV, cu.m	Density 15°C/Vac	Density 15°C/Air	Temp, °C	V.C.F. T54B	GSV, cu.m	Total Weight, Mt
DB Service	U D A A      Auto Auto							
<b>TOTAL FUEL OIL BEFORE</b>								

DIESEL OIL BEFORE								
Compartment Title	Ullage / Dip (m) / Auto	GOV, cu.m	Density 15°C/Vac	Density 15°C/Air	Temp, °C	V.C.F. T54B	GSV, cu.m	Total Weight, Mt
Settling Service Incinerator	U D A      Auto							
<b>TOTAL DIESEL OIL BEFORE</b>								

Remarks:

Signed: Chief Engineer /



Report No. US-16433  
Date January 16, 2009  
Vessel Scheldegracht  
Installation Kinder Morgan Bulk Terminal  
Location Port Arthur, Texas  
Grade Dense grade Soda Ash

**BUNKER SURVEY AFTER**

Finishing Soundings: From: 15:45 16-Jan-09 To: 15:55 16-Jan-09

FUEL OIL AFTER								
Compartment Title	Ullage / Dip (m) / Auto	GOV, cu.m	Density 15°C/Vac	Density 15°C/Air	Temp, °C	V.C.F. T54B	GSV, cu.m	Total Weight, Mt
DB Service	U D A A Auto Auto							
<b>TOTAL FUEL OIL AFTER</b>								

DIESEL OIL AFTER								
Compartment Title	Ullage / Dip (m) / Auto	GOV, cu.m	Density 15°C/Vac	Density 15°C/Air	Temp, °C	V.C.F. T54B	GSV, cu.m	Total Weight, Mt
Settling Service Incinerator	U D A Auto							
<b>TOTAL DIESEL OIL AFTER</b>								

Remarks:

Signed: Chief Engineer /