



Your Reference:

For the attention of

Report no. TR 6275
Date of report 14-Jan-08
Vessel Carmelia
Location Tutunciftlik
Product REBCO
Outturn date 14-Jan-08

DISCHARGED :

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

Please note the following with regard to the inspection carried out.

Once discharge commenced no untoward delays were noted.

Letters of Protest were issued by ourselves regarding the following:

- the Letter of Protest on discrepancy between Bill of Lading and ship's figures
- the Letter of Protest on traces of water found in ship's tanks after loading.

Report distribution has been effected as follows:

To yourselves in original only together with our relevant invoice.

	Gross Metric Tons in Vacuo	Gross Metric Tons in Air
Vessel after loading	80,234.553	80,132.955
Vessel before discharge	80,234.553	80,132.955
Difference		
Difference, %		
Bill of Lading	80,171.466	80,071.252
Outturn quantity	79,943.787	79,842.562
Difference	-227.679	-228.690
Difference, %	-0.284%	-0.286%



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Time	Date	Operations
21:00	11-Jan-08	Notice of Readiness tendered
23:30	11-Jan-08	Vessel arrived "End of Sea Passage"
23:59	11-Jan-08	Anchor dropped
14:00	12-Jan-08	Pilot on board at Darca
14:16	12-Jan-08	Anchor aweigh
14:25	12-Jan-08	Commenced moving to berth
15:06	12-Jan-08	First line ashore
15:48	12-Jan-08	All Fast
17:35	12-Jan-08	Free pratique granted
17:40	12-Jan-08	Inspector on board
18:15	12-Jan-08	Commenced connecting hoses 2 x 12"
18:30	12-Jan-08	Completed connecting hoses
18:30	12-Jan-08	Notice of Readiness received / accepted
18:45	12-Jan-08	Measurements completed
20:36	12-Jan-08	Commenced discharge of Russian Export Blend Crude Oil
00:54	14-Jan-08	Completed discharge
01:40	14-Jan-08	Inspection of vessel's tanks completed
01:45	14-Jan-08	Commenced disconnecting hoses
02:00	14-Jan-08	Completed disconnecting hoses
02:00	14-Jan-08	Cargo Calculations Completed
02:30	14-Jan-08	Surveyor's documents on board
02:50	14-Jan-08	Inspector left vessel
03:40	14-Jan-08	Vessel sailed (ETS)

DELAYS		REASON	
From	To		

Remarks: (*) - As per information received from the Master of the vessel
 Average delivery rate for each grade is as follows:
 2829.373 Mt in air per hour for REBCO, i.e. BOL Mt in air divided by 28 hours 18 minutes.

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SUMMARY OF QUANTITIES

Comparison of Ship's figures, Bill of Lading and Outturn quantity
 ASTM calculation by ASTM D 1250-1980

Gross Quantities
Net Quantities

Totals of the Bills Of Lading	REBCO					Total	REBCO					Total
Including OBQ/ROB	CUBIC METRES AT 15°C (GROSS STANDARD VOLUME)						CUBIC METRES AT 15°C (NET STANDARD VOLUME)					
Vessel after loading	92,361.636					92,361.636	92,229.281					92,229.281
Vessel before discharge	92,361.636					92,361.636	92,229.281					92,229.281
Difference												
% Difference												
Bill of Lading	92,289.014					92,289.014	92,156.763					92,156.763
Outturn quantity	92,022.163					92,022.163	91,875.055					91,875.055
Difference	-266.851					-266.851	-281.708					-281.708
% Difference	-0.289%					-0.289%	-0.306%					-0.306%
Including OBQ/ROB	US BARRELS AT 60°C (GROSS STANDARD VOLUME)						US BARRELS AT 60°C (NET STANDARD VOLUME)					
Vessel after loading	581,231.78					581,231.78	580,398.88					580,398.88
Vessel before discharge	581,231.78					581,231.78	580,398.88					580,398.88
Difference												
% Difference												
Bill of Lading	580,730.00					580,730.00	579,742.00					579,742.00
Outturn quantity	579,095.47					579,095.47	578,169.72					578,169.72
Difference	-1,634.53					-1,634.53	-1,572.28					-1,572.28
% Difference	-0.281%					-0.281%	-0.271%					-0.271%
Including OBQ/ROB	METRIC TONS IN AIR (GROSS WEIGHT)						METRIC TONS IN AIR (NET WEIGHT)					
Vessel after loading	80,132.955					80,132.955	79,996.729					79,996.729
Vessel before discharge	80,132.955					80,132.955	79,996.729					79,996.729
Difference												
% Difference												
Bill of Lading	80,071.252					80,071.252	79,935.131					79,935.131
Outturn quantity	79,842.562					79,842.562	79,690.063					79,690.063
Difference	-228.690					-228.690	-245.068					-245.068
% Difference	-0.286%					-0.286%	-0.307%					-0.307%
Including OBQ/ROB	METRIC TONS IN VACUO (GROSS WEIGHT)						METRIC TONS IN VACUO (NET WEIGHT)					
Vessel after loading	80,234.553					80,234.553	80,098.155					80,098.155
Vessel before discharge	80,234.553					80,234.553	80,098.155					80,098.155
Difference												
% Difference												
Bill of Lading	80,171.466					80,171.466	80,035.174					80,035.174
Outturn quantity	79,943.787					79,943.787	79,791.095					79,791.095
Difference	-227.679					-227.679	-244.079					-244.079
% Difference	-0.284%					-0.284%	-0.305%					-0.305%

Quantities on board the Vessel are as calculated by Global Survey Solutions. ASTM calculation by ASTM D 1250-1980.

Global Survey Solutions Inspector: Ahmet Sahin



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Outturn date 14-Jan-08

SUMMARY OF QUANTITIES

Calculation of Net figures
 ASTM calculation by ASTM D 1250-1980

REBCO				
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CUBIC METRES AT 15°C

Total

<u>Bill of Lading</u>	Gross	92,289.014					92,289.014
	Sediments & Water	132.251					132.251
	Net	92,156.763					92,156.763
<u>Shore quantities</u>	Gross	92,022.163					92,022.163
	Sediments & Water	147.108					147.108
	Net	91,875.055					91,875.055
<u>Vessel's discharged quantity</u>	Gross	92,211.876					92,211.876
	Sediments & Water	132.140					132.140
	Net	92,079.736					92,079.736

US BARRELS AT 60°C

Total

<u>Bill of Lading</u>	Gross	580,730.00					580,730.00
	Sediments & Water	988.000					988.000
	Net	579,742.00					579,742.00
<u>Shore quantities</u>	Gross	579,095.47					579,095.47
	Sediments & Water	925.750					925.750
	Net	578,169.72					578,169.72
<u>Vessel's discharged quantity</u>	Gross	580,289.34					580,289.34
	Sediments & Water	831.550					831.550
	Net	579,457.79					579,457.79

METRIC TONS IN AIR

Total

<u>Bill of Lading</u>	Gross	80,071.252					80,071.252
	Sediments & Water	136.121					136.121
	Net	79,935.131					79,935.131
<u>Shore quantities</u>	Gross	79,842.562					79,842.562
	Sediments & Water	152.499					152.499
	Net	79,690.063					79,690.063
<u>Vessel's discharged quantity</u>	Gross	80,003.024					80,003.024
	Sediments & Water	136.005					136.005
	Net	79,867.019					79,867.019

METRIC TONS IN VACUO

Total

<u>Bill of Lading</u>	Gross	80,171.466					80,171.466
	Sediments & Water	136.292					136.292
	Net	80,035.174					80,035.174
<u>Shore quantities</u>	Gross	79,943.787					79,943.787
	Sediments & Water	152.692					152.692
	Net	79,791.095					79,791.095
<u>Vessel's discharged quantity</u>	Gross	80,104.457					80,104.457
	Sediments & Water	136.178					136.178
	Net	79,968.279					79,968.279

Criteria used for calculations:

Density at 15°C: (BOL)	0.8687						
Average Sediments & Water, % mass:	0.17000						
Average Sediments & Water, % vol.:	0.14330						
Factor by Nafta Table:	7.2436						
Density at 15°C: (Shore)	0.8687						
Average Sediments & Water, % mass:	0.19100						
Average Sediments & Water, % vol.:	0.15990						
Factor Table 52:	6.293						Remarks:
Density at 15°C: (Ship)	0.8687						
Average Sediments & Water, % mass:							Ship density
Average Sediments & Water, % vol.:							
Factor Table 52:	6.293						



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 Loadport Yuzhny

CERTIFICATE OF QUANTITY

REBCO

Bill of Lading No.	1
Bill of Lading date	9-Jan-08
Gross Metric Tons in vacuo	37.943
Net Metric Tons in vacuo	37.878 (*)
Gross Metric Tons in air	37.896 (*)
Net Metric Tons in air	37.831 (*)
Gross Long Tons	37.30 (*)
Net Long Tons	37.24 (*)
Gross US barrels at 60°F	275.00 (*)
Net US barrels at 60°F	274.00 (*)
Gross US gallons at 60°F	11,550.00 (*)
Net US gallons at 60°F	11,508.00 (*)
Gross Cubic Metres at at 15°C	43.678 (*)
Net Cubic Metres at at 15°C	43.615 (*)
B/L Density at 15°C in vacuo	0.8687 (*)
API gravity by Table 51	31.29 (*)

* - Calculated by Global Survey Solutions.

Criteria used for calculations:

Conv. factor from Metric tons in vacuo to US Bbls by Nafta table
 Conv. factor from US Bbls to US Gallons by Table 1
 Metric Tons in Air = Metric Tons in Vacuo * by
 Long Tons = Metric Tons in Air * by

7.2436
42
0.99875
0.984206

B/L Gross Metric tons (vac) were determined by loadport Oil Terminal.
 Bill of Lading GSV at 15°C= B/L Metric Tons vacuo / B/L density at 15°C.

Net Volume (Cu M or Bbls or Gall) = Gross Volume (Cu M or Bbls or Gall) * ((100 - (S + W)vol%)/100)
 Net Metric Tons (in vacuo or in air) = Gross Metric Tons (in vacuo or in air) * ((100 - (S + W)mass%)/100)

Test results by loadport Oil Installation Laboratory:

Sediments, % mass	ASTM D 473	0.0100
Water, % mass	ASTM D 4006	0.1600
Sediments, % volume	calculated	0.0043
Water, % volume	calculated	0.1390

Global Survey Solutions Inspector: Ahmet Sahin

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CERTIFICATE OF QUANTITY

REBCO

Bill of Lading No.	2
Bill of Lading date	9-Jan-08
Gross Metric Tons in vacuo	80,133.523
Net Metric Tons in vacuo	79,997.296 (*)
Gross Metric Tons in air	80,033.356 (*)
Net Metric Tons in air	79,897.300 (*)
Gross Long Tons	78,769.31 (*)
Net Long Tons	78,635.40 (*)
Gross US barrels at 60°F	580,455.00 (*)
Net US barrels at 60°F	579,468.00 (*)
Gross US gallons at 60°F	24,379,110.00 (*)
Net US gallons at 60°F	24,337,656.00 (*)
Gross Cubic Metres at at 15°C	92,245.336 (*)
Net Cubic Metres at at 15°C	92,113.148 (*)
B/L Density at 15°C in vacuo	0.8687 (*)
API gravity by Table 51	31.29 (*)

* - Calculated by Global Survey Solutions.

Criteria used for calculations:

Conv. factor from Metric tons in vacuo to US Bbls by Nafta table
 Conv. factor from US Bbls to US Gallons by Table 1
 Metric Tons in Air = Metric Tons in Vacuo * by
 Long Tons = Metric Tons in Air * by

7.2436
42
0.99875
0.984206

B/L Gross Metric tons (vac) were determined by loadport Oil Terminal.

Bill of Lading GSV at 15°C = B/L Metric Tons vacuo / B/L density at 15°C.

Net Volume (Cu M or Bbls or Gall) = Gross Volume (Cu M or Bbls or Gall) * ((100 - (S + W)vol%)/100)

Net Metric Tons (in vacuo or in air) = Gross Metric Tons (in vacuo or in air) * ((100 - (S + W)mass%)/100)

Test results by loadport Oil Installation Laboratory:

Sediments, % mass	ASTM D 473	0.0100
Water, % mass	ASTM D 4006	0.1600
Sediments, % volume	calculated	0.0043
Water, % volume	calculated	0.1390

Global Survey Solutions Inspector: Ahmet Sahin



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VESSEL TANK AFTER DISCHARGE REPORT

Product REBCO Date of tank inspection:

Outturn date 14-Jan-08 Time of tank inspection:

We hereby report that we, Global Survey Solutions, attended on board the Vessel for the purpose of visually inspecting the nominated cargo tanks.
Inspection carried out using sounding rod.

CARGO DISCHARGED:	REBCO				
PORTTANKS					
CENTRAL TANKS					
STARBOARD TANKS					

Each of the listed tanks is equipped with vapour lock for manual measurements.

Each of the listed tanks were inspected by us. In our opinion the listed cargo tanks have been found to be well drained.

Inspection carried out from deck level.

PUMP(S) AND LINES

The line connections to the aforementioned cargo tanks were closed and/or blanked off at the time of inspection.

HEATING COILS WITHIN THE CARGO TANKS: None

TANK CONSTRUCTION MATERIAL reported by the Vessel to be:

Mild Steel

TANK COATING as reported by the Vessel ;

We have been informed that the interior of the cargo tanks is:

The type of coating was reported by the Vessel to be epoxy.

PREVIOUS 3 CARGOES CARRIED BY THE VESSEL reported to be

CARGO TANK	All cargo tanks
First Last Cargo	
Second Last Cargo	
Third Last Cargo	

TANK CLEANING:

We have been informed by the vessel that tank cleaning was carried out as follows:

Crude Oil Washing

TYPE OF ROB:

This report does not cover the state of cleanliness and dryness of Vessel tanks, pump(s) and line systems at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo, for which the Vessel is fully responsible.

This report represents our findings at the time and on the date of our inspection



ON BOARD QUANTITY (ROB) REPORT

Report no. TR 6275
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Draft : FWD: m, AFT: m, Trim : m, List: Nil

Tank No	Innage Metres		Total Observed Volume	Free Water		Gross Observed Volume	Non-Liquid	Liquid, Cu Mtrs	
	Actual	Corrected	Cu Mtrs	Dip	Cu Mtrs	Cu Mtrs		by Trim correction	by Wedge formula
1C	0.020	0.020	7.820	Nil		7.820	7.820		
2C	0.010	0.010	6.780	Nil		6.780	6.780		
3C	0.030	0.030	21.520	Nil		21.520	21.520		
4C	0.020	0.020	14.320	Nil		14.320	14.320		
5C	0.020	0.020	14.320	Nil		14.320	14.320		
6C	0.040	0.040	28.660	Nil		28.660	28.660		
7C	0.040	0.040	26.260	Nil		26.260	26.260		
6P	0.010	0.010	2.040	Nil		2.040	2.040		
6S	0.060	0.060	8.900	Nil		8.900	8.900		
Slop P	0.190	0.190	16.520	Nil		16.520	16.520		
Slop S	0.030	0.030	2.620	Nil		2.620	2.620		
Tanks for reference only -			149.760		0.000	149.760	149.760	0.000	0.000

SUMMARY OF QUANTITY

Total Observed Cu Mtrs	Free Water Cu Mtrs	Gross Observed Cu Mtrs	Liquid Volume Cu Mtrs	Non-Liquid Volume Cu Mtrs
149.760	0.000	149.760	0.000	149.760

Previous product in tanks reported by the Vessel to be
 Measurements by representative of the vessel and witnessed by .
 Calculations by .

Global Survey Solutions Inspector: AAhmet Sahin

Master of MV "Carmelia": Vadim Maslennikov



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**LIQUID ROB CALCULATION
 BY WEDGE FORMULA**

Draft (m) : FWD: AFT: Trim : List: Nil

Formulae : $((U - (D \times F)) \times F) + S = A$ $(A \times A \times W \times 0.5) / F = \text{Cubic Metres}$

Tank	L Metres	U Metres	D Metres	D x F	S Metres	A	A x A	W Metres	Volume Cu Mtrs
1C									
2C									
3C									
4C									
5C									
6C									
7C									
6P									
6S									
Slop P									
Slop S									

FIELD INFORMATION			L.B.P.	Length between perpendiculars
+Draft of ship Aft of		metres	L	Length of tank
-Draft of ship Forward of		metres	U	Distance from ullage point to aft bulkhead
=Trim of ship of		metres	D	Total gauge height
divided by L.B.P. of	0.00	metres	F	Trim factor
=Trim Factor of	0.00000	(F)	S	Sounding (Innage) of liquid oil
			A	Adjusted innage at aft bulkhead
			W	Width of tank

Measurements by representative of the vessel and witnessed by .
 Calculations by .

Remarks

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov

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VESSEL EXPERIENCE REPORT

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):

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

Voyage	Date	Port	Cargo	Vessel's figure (A) Metric tons	Shore Figure (B) Metric tons	Vessel Load/Disch Ratio	Qualify
Last	9-Jan-08	Yuzhny	REBCO	80,204.998	80,171.469	1.00042	Yes
2nd last	6-Dec-07	Novorossiysk	REBCO	80,133.302	80,147.651	0.99981	Yes
3rd last	26-Nov-07	Novorossiysk	REBCO	78,273.834	78,303.706	0.99962	Yes
4th last	15-Nov-07	Yuzhny	REBCO	80,946.887	80,994.066	0.99942	Yes
5th last	18-Oct-07	Yuzhny	REBCO	62,601.436	62,613.400	0.99981	Yes
6th last	27-Sep-07	Novorossiysk	REBCO	80,982.318	81,018.327	0.99956	Yes
7th last	18-Sep-07	Yuzhny	REBCO	76,030.348	76,095.680	0.99913	Yes
8th last	21-Aug-07	Yuzhny	REBCO	80,238.550	80,254.753	0.99980	Yes
9th last	27-Jul-07	Novorossiysk	REBCO	82,341.015	82,461.900	0.99853	Yes
10th last	21-Jul-07	Yuzhny	REBCO	82,819.272	82,881.455	0.99925	Yes

Step (b) - Totals, excluding present cargo	784,571.960	784,942.407
Step (c) - Average Vessel Discharge Ratio (VDR), (A)/(B)	0.99953	
Permissible VDR range (plus / minus 0.3%)	1.00253	0.99653
Step (g) - Totals of qualifying voyages only	784,571.000	784,942.000
Step (h) - Average VDR as step (c), qualifying voyages only	0.99953	
VDR (VEF) range (plus / minus 0.3%)	1.00253	0.99653

Vessel's figures this voyage (Excluding ROB)	80,003.024
Outturn this voyage	79,842.562
Vessel discharged ratio this voyage	1.0020

Number of qualifying voyages: 10

Vessel Experience Factor 0.9995
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The above mentioned quantities are for the last 0 voyages as obtained from ship's record and cannot be guaranteed as accurate by Global Survey Solutions. No liability can be assumed for errors resulting from improper information supplied by the vessel. Cargo information must be verified in accordance with RIL QAP 224, Section 5. Shore quantities derived from ship cargo measurements do not qualify, whether adjusted for VEF or not.

Remarks:

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov



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VOID/BALLAST TANKS REPORT

BALLAST TANKS

Compartment / Tank	Before Loading		After Loading	
	Contents	Volume, cu m	Contents	Volume, cu m
Fore Peak ballast tank	Empty		Ballast	1,140.000
1 Port / Starboard Ballast Tank	Empty		Ballast	8,960.000
2 Port / Starboard Ballast Tank	Empty		Ballast	8,000.000
3 Port / Starboard Ballast Tank	Empty		Ballast	3,900.000
4 Port / Starboard Ballast Tank	Empty		Ballast	3,700.000
5 Port / Starboard Ballast Tank	Empty		Empty	
After Peak ballast Tank	Empty		Empty	
Total:				25,700.000

IDLE CARGO TANKS

Compartment / Tank	Before Loading		After Loading	
	Contents	Volume, cu m	Contents	Volume, cu m
Total:				

Remarks:



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ULLAGE REPORT (Loadport inclusive OBQ)

**ASTM calculation by ASTM
 D 1250-1980**

Bill of lading date Loadport: Yuzhny

Draft: FWD: 13.60 m, AFT: 13.60 m, Trim: m, List: Nil

Tank No	Ullage Mtrs		Total Obs. Volume Cu Mtrs	Free Water		Gross Obs. Volume Cu Mtrs	Temp °C	V.C.F. by T 53A	*	Gross Standard Volume Cu Mtrs
	Actual	Corrected		Dip Mtrs	Volume Cu Mtrs					
1C	2.540	2.540	8,098.800	Nil		8,098.800	5.5	1.00770	1	8,161.161
2C	3.300	3.300	11,849.800	Nil		11,849.800	5.6	1.00760	1	11,939.858
3C	2.270	2.270	13,206.600	Nil		13,206.600	5.5	1.00770	1	13,308.291
4C	2.070	2.070	13,350.300	Traces		13,350.300	5.7	1.00750	1	13,450.427
5C	3.160	3.160	12,567.300	Nil		12,567.300	5.8	1.00750	1	12,661.555
6C	3.760	3.760	12,136.300	Nil		12,136.300	6.1	1.00720	1	12,223.681
7C	3.630	3.630	11,740.400	Nil		11,740.400	6.6	1.00680	1	11,820.235
6P	4.560	4.560	3,257.600	Nil		3,257.600	6.3	1.00710	1	3,280.729
6S	4.550	4.550	3,259.700	Traces		3,259.700	6.3	1.00710	1	3,282.844
Slop P	3.350	3.350	1,072.000	Nil		1,072.000	8.2	1.00550	1	1,077.896
Slop S	2.480	2.480	1,147.500	Nil		1,147.500	7.0	1.00650	1	1,154.959
Totals			91,686.300			91,686.300				92,361.636

Product Code (*)	Product Name(s)	Factor Table 52	TOV Cu Mtrs	Free Water Cu Mtrs	GOV Cu Mtrs
1	REBCO	6.293	91,686.300		91,686.300
Long Tons = Metric tons (air) x 0.984206		Totals:	91,686.300		91,686.300

Product Code (*)	Density @ 15°C	W.C.F. Table 56	G.S.V. @15°C Cu Mtrs	OBQ (GOV) Cu Mtrs	G.S.V. @15°C Cu Mtrs	G.S.V. @60°F US bbls	Metric Tons (in air)
1	0.8687	0.86760	92,361.636		92,361.636	581,232.000	80,132.955
Totals:			92,361.636		92,361.636	581,232.000	80,132.955

Origin for Densities: Density at 15°C in vac obtained from analysis at Global Survey Solutions Lab composite sample taken by Global Survey Solutions at loadport.

Origin of Measurements: Measured by SGS (by UTI # 8161, water finding paste).

Remarks: Measurements were taken from ship's tank hatches.

Sea valve Nos.: Starboard: Port:

Global Survey Solutions Inspector: Ahmet Sahin
 Master of MV "Carmelia": Vadim Maslennikov

Long Tons	*	Metric Tons (in vacuo)
78,867.34	1	80,234.553
78,867.34		80,234.553



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

ULLAGE REPORT BEFORE DISCHARGE

**ASTM calculation by ASTM
 D 1250-1980**

Draft: FWD: 13.60 m, AFT: 13.60 m, Trim: m, List: Nil

Tank No	Ullage Mtrs		Total Obs. Volume Cu Mtrs	Free Water		Gross Obs. Volume Cu Mtrs	Temp °C	V.C.F. by T 53A	*	Gross Standard Volume Cu Mtrs
	Actual	Corrected		Dip Mtrs	Volume Cu Mtrs					
1C	2.540	2.540	8,098.800	Nil		8,098.800	5.5	1.00770	1	8,161.161
2C	3.300	3.300	11,849.800	Nil		11,849.800	5.6	1.00760	1	11,939.858
3C	2.270	2.270	13,206.600	Nil		13,206.600	5.5	1.00770	1	13,308.291
4C	2.070	2.070	13,350.300	Traces		13,350.300	5.7	1.00750	1	13,450.427
5C	3.160	3.160	12,567.300	Nil		12,567.300	5.8	1.00750	1	12,661.555
6C	3.760	3.760	12,136.300	Nil		12,136.300	6.1	1.00720	1	12,223.681
7C	3.630	3.630	11,740.400	Nil		11,740.400	6.6	1.00680	1	11,820.235
6P	4.560	4.560	3,257.600	Nil		3,257.600	6.3	1.00710	1	3,280.729
6S	4.550	4.550	3,259.700	Traces		3,259.700	6.3	1.00710	1	3,282.844
Slop P	3.350	3.350	1,072.000	Nil		1,072.000	8.2	1.00550	1	1,077.896
Slop S	2.480	2.480	1,147.500	Nil		1,147.500	7.0	1.00650	1	1,154.959
Totals			91,686.300			91,686.300				92,361.636

Product Code (*)	Product Name(s)	Factor Table 52	TOV Cu Mtrs	Free Water Cu Mtrs	GOV Cu Mtrs
1	REBCO	6.293	91,686.300		91,686.300
Long Tons = Metric tons (air) x 0.984206		Totals:	91,686.300		91,686.300

Product Code (*)	Density @ 15°C	W.C.F. Table 56	G.S.V. @15°C Cu Mtrs	ROB (GOV) Cu Mtrs	G.S.V. @15°C Discharged, Cu Mtrs	G.S.V. @60°F Discharged, US bbls	Metric Tons (in air)
1	0.8687	0.86760	92,361.636	149.760	92,211.876	580,289.000	80,003.024
Totals:			92,361.636	149.760	92,211.876	580,289.000	80,003.024

Origin for Densities: Density at 15°C in vac obtained from analysis at Global Survey Solutions Laboratory composite sample taken by Global Survey Solutions at loadport.

Origin of Measurements: measured by Global Survey Solutions (by UTI 8161, water finding paste).

Remarks: Measurements were taken from ship's tank hatches.

Sea valve Nos.: Starboard: Port:

Global Survey Solutions Inspector: Ahmet Sahin
 Master of MV "Carmelia": Vadim Maslennikov

Long Tons	*	Metric Tons (in vacuo)
78,739.46	1	80,104.457
78,739.46		80,104.457



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

BUNKER REPORT**(Marine Diesel Oil)****ASTM calculation by ASTM D 1250-1980**

Average Bunker consumption per day, according to Vessel's Officer (Quantities in MT VAC)		
While at Sea:	While at Port:	While at Anchor:
Last Port of Call:	Time / Date of Sailing:	
Bunker on Sailing from last port, Mt (vac)		(as advised by Vessel)

UPON BERTHING		Date & Time of inspection				12-Jan-08 18:45		Trim Correction applied		No
Draft	FWD	13.60 m AFT 13.60 m		Trim		m List		Nil		
Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)	
MDO Tank Port	1.150	55.800	18.0	0.8365	0.8365	0.9974	55.655	46.494	46.555	
MDO Tank Stbd	0.620	21.500	18.0	0.8365	0.8365	0.9974	21.444	17.914	17.938	
Service Tank	Auto	21.700	26.0	0.8365	0.8365	0.9906	21.496	17.958	17.981	
Settling Tank	Auto	11.500	26.0	0.8365	0.8365	0.9906	11.392	9.517	9.529	
Totals:		110.500					109.987	91.883	92.003	

UPON SAILING		Date & Time of inspection						Trim Correction applied		Yes
Draft	FWD	m AFT m		Trim		m List		Nil		
Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)	
MDO Tank Port	1.150	55.800	18.0	0.8365	0.8365	0.9974	55.655	46.494	46.555	
MDO Tank Stbd	0.620	21.500	18.0	0.8365	0.8365	0.9974	21.444	17.914	17.938	
Service Tank	Auto	21.700	26.0	0.8365	0.8365	0.9906	21.496	17.958	17.981	
Settling Tank	Auto	11.500	26.0	0.8365	0.8365	0.9906	11.392	9.517	9.529	
Totals:		110.500					109.987	91.883	92.003	

Bunker loaded at this port: Aforementioned densities are as advised by the Vessel.

Remarks: Densities are as advised by ship's Chief Engineer

Global Survey Solutions Inspector: Ahmet Sahin

Chief Engineer : Alexander Rudakov



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

BUNKER REPORT

(Heavy Fuel Oil)

ASTM calculation by ASTM D 1250-1980

Average Bunker consumption per day, according to Vessel's Officer (Quantities in MT VAC)									
While at Sea:	Nil	While at Port:	Nil	While at Anchor:	Nil				
Last Port of Call:	Yuzhny	Time / Date of Sailing:							
Bunker on Sailing from last port, Mt (vac)	(as advised by Vessel)		91.883						

UPON BERTHING

Date & Time of inspection 12-Jan-08 18:45 Trim Correction applied No

Draft FWD 13.60 m AFT 13.60 m Trim m List Nil

Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)
HFO FWD Port	4.15 / U.	246.600	55.0	0.9614	0.9614	0.9715	239.572	230.061	230.325
HFO FWD Stbd	4.46 / U.	196.200	59.0	0.9614	0.9614	0.9686	190.039	182.494	182.703
Service Tank	Auto	42.500	83.0	0.9614	0.9614	0.9512	40.426	38.821	38.866
Settling Tank	Auto	56.000	61.0	0.9614	0.9614	0.9671	54.158	52.008	52.068
Overflow Tank	0.370	0.450	18.0	0.9614	0.9614	0.9979	0.449	0.431	0.432
Totals:		541.750					524.644	503.815	504.394

UPON SAILING

Date & Time of inspection Trim Correction applied Yes

Draft FWD m AFT m Trim m List Nil

Tank No	Innage Mtrs	G.O.V. Cu Mtrs	Temp °C	Density 15 °C	Density 15°C	VCF Table 54B	G.S.V. Cu Mtrs	Metric Tons (Air)	Metric Tons (Vacuo)
HFO FWD Port	3.86 / U.	221.300	55.0	0.9614	0.9614	0.9715	214.993	206.458	206.694
HFO FWD Stbd	4.24 / U.	179.800	59.0	0.9614	0.9614	0.9686	174.154	167.240	167.432
Service Tank	Auto	41.500	83.0	0.9614	0.9614	0.9512	39.475	37.908	37.951
Settling Tank	Auto	44.800	61.0	0.9614	0.9614	0.9671	43.326	41.606	41.654
Overflow Tank	0.370	0.450	18.0	0.9614	0.9614	0.9979	0.449	0.431	0.432
Totals:		487.850					472.397	453.643	454.163

Bunker loaded at this port: None Aforementioned densities are as advised by the Vessel.

Remarks: Densities are as advised by ship's Chief Engineer



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

RECEIPT FOR DOCUMENTS

To: Master of mv Carmelia (Vadim Maslennikov)

Please sign for receipt of the documents listed below:

ROB report	One
Time Log	One
Void/Ballast Tank Report	One
Vessel Experience Report	One
Ullage Report	Two
Document & Sample Receipt	One
Bunker Inspection Reports	Two
Letter of Protest	One

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

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov

RECEIPT FOR SAMPLES

To: Master of mv Carmelia (Vadim Maslennikov)

Please sign for receipt of the samples listed below:

Sample Size, Ltr	Number of Samples	Seal Numbers	Sample Description
1.000	1	10620 - for vessel	Multiple Ship's Tank Composite Sample (UML before discharge) of REBCO ex: 1C, 2C, 3C, 4C, 5C, 6C, 7C, 6P, 6S, Slop P, Slop S,
1.000	1	234567	Multiple Shore tank composite sample (before discharge)
TOTAL	2		

Instruction regarding samples: to be held within a period of 90 days.

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov

REPORT OF SHORE BASED QUANTITY
ASTM calculation by ASTM D 1250-1980

Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

Origin of	Before:	from analysis by Oil Terminal Laboratory
Densities:	After :	from analysis by Oil Terminal Laboratory
Pipelines (as reported by the Installation)	Before:	Full
	After :	Full
Average Density at 15°C (in vacuo):		0.8687

	Total Measured Mtrs	Free Water Mtrs	Total Observed Volume Cu Mtrs	Free Water Cu Mtrs	Floating Roof, Cu Mtrs	Gross Observed Volume Cu Mtrs	Actual Temp. °C	Density at 15 °C by T 53A	VCF by T 54A	Gross Standard Volume Cu Mtrs	WCF by Table 56	Gross Metric Tons (in AIR)	Sediment mass%	Water mass%	Net Metric Tons (in AIR)
Tank 115	2.492 13.991	Nil Nil	18,007.195 109,399.699			18,007.195 109,399.699	11.7 7.3	0.8703 0.8690	1.00270 1.00620	18,055.814 110,077.977	0.8692 0.8679	15,694.114 95,536.676	0.0140 0.0140	0.1770 0.1770	15,664.138 95,354.201
Difference:			91,392.504			91,392.504				92,022.163		79,842.562			79,690.063
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
Tank			-			-				-		-			-
Difference:			-			-				-		-			-
TOTAL			91,392.504			91,392.504				92,022.163		79,842.562			79,690.063



Report no. TR 6275
 Date of report 14-Jan-08
 Vessel Carmelia
 Location Tutunciftlik
 Product REBCO
 Outturn date 14-Jan-08

LETTER OF PROTEST

To:	Whom it may concern
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We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we do hereby lodge protest in respect of:

The apparent difference noted between the Vessel's quantity including OBO at loadport and the Vessel's quantity before discharge.

ASTM calculation by ASTM D 1250-1980

	<u>GROSS WEIGHT</u>	
	Metric Tons in Vacuo	Metric Tons in Air
Vessel at loadport including OBO	80,234.553	80,132.955
Vessel before discharge	80,234.553	80,132.955
Difference		
Difference, %		

The apparent ship/shore difference noted between the Bill of Lading Quantity and the Outturn Quantity received into shore tanks

	<u>GROSS WEIGHT</u>	
	Metric Tons in Vacuo	Metric Tons in Air
Bill of Lading	80,171.466	80,071.252
Outturn quantity	79,943.787	79,842.562
Difference	-227.679	-228.690
Difference, %	-0.284%	-0.286%

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

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov

Shore representative:



Report no. TR 6275
Date of report 14-Jan-08
Vessel Carmelia
Location Tutunciftlik
Product REBCO
Outturn date 14-Jan-08

LETTER OF PROTEST

To: Whom it may concern

We have been appointed as Inspectors on the aforementioned shipment. On behalf of our Principals we do hereby lodge protest in respect of:

Traces of free water were found in ship's cargo tanks after loading:

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

Global Survey Solutions Inspector: Ahmet Sahin

Master of MV "Carmelia": Vadim Maslennikov

Shore representative:



Report no. TR 6275
Date of report 14-Jan-08
Vessel Carmelia
Location Tutunciftlik
Product REBCO
Outturn date 14-Jan-08

SAMPLE LIST

Size, Ltr	Number of samples	Seal Number	Sample Description
1.000	3	0021102, 00221103 - for vessel, 2 samples - open	Multiple Ship's Tank Composite Samples (UML before discharge) of REBCO ex: 1C, 2C, 3C, 4C, 5C, 6C, 7C, 6P, 6S, Slop P, Slop S,
1.000	1	Open	Single Shore Tank Composite Samples (UML before discharge) of REBCO ex shore tank(s): 115,
Total: 4 samples			

Retained samples are intended to be held within a period of 90 days.

Global Survey Solutions Inspector: Ahmet Sahin



Report no. TR 6275
Date of report 14-Jan-08
Vessel Carmelia
Location Tutunciftlik
Product REBCO
Outturn date 14-Jan-08

CERTIFICATE OF QUALITY

SAMPLE OF: REBCO
SAMPLE DRAWN: by Global Survey Solutions
SAMPLE DESCRIPTION: Multiple Ship's Tank Composite Sample
(running) from each ship's tank
RECEIVED ON: 14-Jan-08
TESTING PERFORMED BY: an independent laboratory
ON THE: 14-Jan-08

Test	Method	Specification	Result
Density of Crude Oil by Density meter kg/l	ASTM D 5002		0.8675
Sediment by Extraction mass %	ASTM D 473		0.015
Water Content of Crude Oil (Potentiometr mass %	ASTM D 4377		0.16