



Your Reference:

Tengizchevroil

For the attention of:

Report no.	RU 0123
Date of report	November 25, 2012
Vessel	Amaltea
Location	Taman, Russia
Inspection date	November 25, 2012

Loading

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

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

Should you have any query, or require any additional information, please contact Mr. A. Sharipov at our Taman office (telephone number +7 495 123 45 67).

Tel: +7 495 123 45 67
Fax: +7 495 123 45 68
Email: ops@tamaneftegas.ru



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Date of report November 25, 2012
Vessel Amaltea
Location Taman, Russia
Inspection date November 25, 2012

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RECEIPT FOR DOCUMENTS

Report no. RU 0123
Date of report November 25, 2012
Vessel Amaltea
Location Taman, Russia
Inspection date November 25, 2012

To: The Master of the Vessel Amaltea: Nikolaos Charalampous

Please sign for receipt of the documents listed below:

Document Title	Qty
Receipt For Documents	One
Crude Oil Summary Report	One
Time Log	One
Bill of Lading	One
Certificate of Quantity	One
Sample Receipt	One
Sample Report	One
Letter Of Protest	One
Statement Of Facts	One
Cerificate of Quality	One
Total Pages:	10

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

The Master of the Vessel Amaltea: Nikolaos Charalampous: _____

Representative of "Tamanneftegas" _____

A. Sharipov



Report no.: RU 0123
 Date of report: November 25, 2012
 Location: Taman, Russia
 Inspection date: November 25, 2012
 Vessel Name: Amaltea
 Operation: Loading

CRUDE OIL SUMMARY REPORT

Quantity calculations are based on
 ASTM D 1250-2004

BILLS OF LADING

Totals: Gross	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil	101,459.948	638,487.00	26,816,454.00	80,224.381	80,112.775	78,847.47

Totals: Net	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil	101,459.948	638,487.00	26,816,454.00	80,224.381	80,112.775	78,847.47

CRUDE OIL SHORE TANKS

Totals: Gross	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil	101,503.320	638,761.00	26,827,962.00	80,227.265	80,115.610	78,850.26

Totals: Net	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil	101,168.727	638,152.00	26,802,384.00	80,122.158	80,010.650	78,746.97

CRUDE OIL PIPELINES

Totals: Gross	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil						

Totals: Net	Cubic Metres at 15°C	US barrels at 60°F	US gallons at 60°F	Metric Tons in vacuo	Metric Tons in air	Long tons
Tengiz Crude Oil						

Representative of "Tamanneftgas": A. Sharipov

Representative of "SGS": A. Lotkov



Report no.: RU 0123
 Date of report: November 25, 2012
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 Vessel Name: Amaltea

TIME LOG

Time	Date	Operations
23:30	20-Nov-12	Vessel arrived at "End of Sea Passage"
23:42	20-Nov-12	Anchor dropped
00:01	24-Nov-12	Notice of Readiness tendered
09:00	24-Nov-12	Pilot on board
10:48	24-Nov-12	First line ashore
12:00	24-Nov-12	All Fast alongside the Berth No. 6
12:30	24-Nov-12	Gangway secured
13:18	24-Nov-12	Customs and Immigrations on board
13:18	24-Nov-12	Loading Master on board
13:24	24-Nov-12	Commenced vessel's tank inspection
14:00	24-Nov-12	Completed vessel's tank inspection, OBQ calculated
14:00	24-Nov-12	Notice of Readiness accepted
14:24	24-Nov-12	Completed pre-loading key meeting
14:50	24-Nov-12	Permission for connection of loading arms granted by Harbour Master
15:30	24-Nov-12	Free Pratique granted. Vessel cleared by Customs and Immigrations
15:12	24-Nov-12	Commenced connection of hoses
15:36	24-Nov-12	Hoses 2 x 16" connected
16:00	24-Nov-12	Permission for loading from Harbour Master received
16:24	24-Nov-12	Commenced Loading
21:00	24-Nov-12	Commenced deballasting
09:00	25-Dec-12	Completed deballasting
09:00	25-Dec-12	30 minutes Notice to reduce loading rate
12:18	25-Dec-12	Completed Loading, shore stop
12:18	25-Dec-12	Commenced sampling vessel's tanks

DELAYS				REASON
From		To		
00:01	24-Nov-12	03:50	24-Nov-12	Waiting for cargo accumulation
18:12	24-Nov-12	19:12	24-Nov-12	Line displacement measurements
13:18	25-Nov-12	16:12	25-Nov-12	Waiting for density test results

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

The Master of the Vessel Amaltea: Nikolaos Charalampous: _____

Representative of "Tamanneftgas" _____

A. Sharipov



Report no.: RU 0123
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 Vessel Name: Amaltea

TIME LOG
Additional times

Time	Date	Operations
13:00	25-Dec-12	Completed sampling vessel's tanks
12:18	25-Dec-12	Commenced measuring vessel's tanks
13:00	25-Dec-12	Completed measuring vessel's tanks, commenced cargo calculations
13:18	25-Dec-12	Completed cargo calculations
14:24	25-Dec-12	Commenced disconnection of hoses
14:48	25-Dec-12	Hoses disconnected
17:18	25-Dec-12	Official cargo documents on board
17:18	25-Dec-12	Surveyor's documents on board
17:24	25-Dec-12	Loading Master left vessel
18:30	25-Dec-12	Vessel sailed (ETS)

DELAYS			REASON
From	To		

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

The Master of the Vessel Amaltea: Nikolaos Charalampous: _____

Representative of "Tamanneftgas" _____

A. Sharipov

CODE NAME: "CONGENBILL" EDITION 1994

Shipper

TENGIZCHEVROIL

B/L No. 021/1-H

BILL OF LADING

TO BE USED WITH CHARTER-PARTIES

Reference No _____

Consignee

TO THE ORDER OF TENGIZCHEVROIL

Notify address

Vessel

Port of loading

TAMAN

Port of discharge

ROTTERDAM

Shipper's description of goods

Gross / Net weight

TENGIZ CRUDE OIL

Gross Metric tons (in Vacuo)	80,224.381
Net Metric tons (in Vacuo)	80,224.381
Gross Metric tons (in Air)	80,112.775
Net Metric tons (in Air)	80,112.775
Gross US barrels at 60°F	638,487.000
Net US barrels at 60°F	638,487.000
Gross Cubic Metres at 15°C	101,459.948
Net Cubic Metres at 15°C	101,459.948

**FREIGHT PAYABLE AS PER CHARTER PARTY
CLEAN ON BOARD**

(of which _____ on deck at Shipper's risk; the carrier not
being responsible for loss or damage howsoever arising)

Freight is payable as per CHARTER-PARTY dated November 25, 2012	SHIPPED at the Port of Loading the cargo specified above in accordance with Shipper's declaration in apparent good order and condition on board the Vessel for carriage to the Port of Discharge or so near thereto as she may be safely get always afloat. Weight, Quality and Quantity are unknown to Vessel IN WITNESS whereof the Master or Agent of the said Vessel has signed the number of Bills of Lading indicated below all of this tenor and date, one of which being accomplished, the others to stand void.
Time used for loading _____ days	
Freight payable at	Place and date of issue. TAMAN NOVEMBER 25, 2012
Number of Original Bills of Lading 3 (THREE)	Signature THE MASTER OF NIKOLAOS CHARALAMPOUS



CERTIFICATE OF QUANTITY Tengiz Crude Oil

Report no.: RU 0123
 Date of report: November 25, 2012
 Location: Taman, Russia
 Inspection date: November 25, 2012
 Vessel Name: Amaltea

Quantity calculations are based on
 ASTM D 1250-2004

Bill of Lading No.	021/1-H
Bill of Lading date	25-Nov-12
Gross Metric Tons in vacuo	80,224.381
Net Metric Tons in vacuo	80,224.381
Gross Metric Tons in air	80,112.775
Net Metric Tons in air	80,112.775
Gross Long Tons	78,847.47
Net Long Tons	78,847.470
Gross US barrels at 60°F	638,487.00
Net US barrels at 60°F	638,487.00
Gross US gallons at 60°F	26,816,454.00
Net US gallons at 60°F	26,816,454.00
Gross Cubic Metres at at 15°C	101,459.948
Net Cubic Metres at at 15°C	101,459.948
B/L Density at 15°C in vacuo	0.7907
API gravity by Table 51	47.37

Criteria used for calculations:

Conv. factor from cu m at 15°C to US Bbls by Table 52
 Conv. factor from US Bbls to US Gallons by Table 1
 Metric Tons in Air = GSV at 15°C * by Density at 15°C in air
 Long Tons = Metric Tons in Air * by

6.2930
42
0.78960
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)

Tests results by Loadport Surveyor's laboratory

Sediments, % mass	ASTM D 473	0
Water, % mass	ASTM D 4006	0
Sediments, % volume	calculated	0
Water, % volume	calculated	0

Representative of "Tamanneftegas": A. Sharipov



Report no.: RU 0123
 Date of report: November 25, 2012
 Location: Taman, Russia
 Inspection date: November 25, 2012
 Vessel Name: Amaltea
 Operation: Loading
 Measurements by: Tank Radar

CRUDE OIL SHORE TANK REPORT

Quantity calculations are based on ASTM D 1250-2004
 Volume Correction Factor: by Table 54A

		Shore tank No. 6		Shore tank No. 2	
		Open	Close	Open	Close
		Tengiz Crude Oil	Tengiz Crude Oil	Tengiz Crude Oil	Tengiz Crude Oil
Grade of Crude Oil					
Gauge	Metres	23.115	2.096	23.166	3.635
Total Observed Volume	Cu Metres	37,636.806	3,307.221	37,755.162	5,832.047
Free Water Gauge	Metres				
Free Water Volume	Cu Metres				
Roof correction (calculated)	Cu Metres	0.549	0.564	0.542	0.554
Status of the line		Full	Full	Full	Full
Line	Cu Metres				
Calculated Shell correction factor		0.99965	0.99970	0.99966	0.99970
Gross Observed Volume	Cu Metres	37,636.260	3,306.660	37,754.620	5,831.490
G.O.V. corrected for shell	Cu Metres	37,623.090	3,305.670	37,741.780	5,829.740
Density at 15°C	Mt vac/Cu m	0.7896	0.7896	0.7908	0.7908
Observed temperature	°C	5.800	7.800	6.300	8.000
Volume Corrected Factor	by Table 54A	1.00904	1.00708	1.00852	1.00686
Gross Standard Volume at 15°C	Cu Metres	37,963.200	3,329.070	38,063.340	5,869.730
Total Sediments, Water	volume %	0.087	0.087	0.095	0.095
Net Standard Volume, at 15°C	Cu Metres	37,930.227	3,326.179	38,027.069	5,864.137
Gross Metric Tons	(Vac)	29,975.743	2,628.634	30,100.489	4,641.782
Total Sediments, Water	mass %	0.120	0.120	0.131	0.131
Net Metric Tons	(Vac)	29,939.772	2,625.480	30,061.057	4,635.701
Difference, GSV at 15°C	Cu Metres	34,634.13		32,193.61	
Difference, Gross Metric Tons	(Vac)	27,347.11		25,458.71	
Difference, NSV at 15°C	Cu Metres	34,604.05		32,162.93	
Difference, Net Metric Tons	(Vac)	27,314.29		25,425.36	

		Shore tank No. 4		Shore tank No.	
		Open	Close	Open	Close
		Tengiz Crude Oil	Tengiz Crude Oil	Tengiz Crude Oil	Tengiz Crude Oil
Grade of Crude Oil					
Gauge	Metres	23.135	2.090		
Total Observed Volume	Cu Metres	37,681.402	3,339.407		
Free Water Gauge	Metres				
Free Water Volume	Cu Metres				
Roof correction (calculated)	Cu Metres	0.532	0.555		
Status of the line		Full	Full		
Line	Cu Metres				
Calculated Shell correction factor		0.99963	0.99970		
Gross Observed Volume	Cu Metres	37,680.870	3,338.850		
G.O.V. corrected for shell	Cu Metres	37,666.930	3,337.850		
Density at 15°C		0.7908	0.7908		
Observed temperature	°C	5.000	8.200		
Volume Corrected Factor	by Table 54A	1.00979	1.00667		
Gross Standard Volume, at 15°C	Cu Metres	38,035.690	3,360.110		
Total Sediments, Water	volume %	0.104	0.104		
Net Standard Volume, at 15°C	Cu Metres	37,735.322	3,333.575		
Gross Metric Tons	(Vac)	30,078.624	2,657.175		
Total Sediments, Water	mass %	0.142	0.142		
Net Metric Tons	(Vac)	30,035.912	2,653.402		
Difference, GSV at 15°C	Cu Metres	34,675.58			
Difference, Gross Metric Tons	(Vac)	27,421.45			
Difference, NSV at 15°C	Cu Metres	34,401.75			
Difference, Net Metric Tons	(Vac)	27,382.51			

Grandtotals: Gross	Cubic Metres at 15°C	US barrels at 60°F	Metric Tons (vac)	Metric Tons (air)	Long Tons
Tengiz Crude Oil	101,503.320	638,761.00	80,227.265	80,115.610	78,850.26

Grandtotals: Net	Cubic Metres at 15°C	US barrels at 60°F	Metric Tons (vac)	Metric Tons (air)	Long Tons
Tengiz Crude Oil	101,168.727	638,152.00	80,122.158	80,010.650	78,746.97

Representative of "Tamanneftegas": A. Sharipov

Representative of "SGS": A. Lotkov



Отчет №: RU 0123
Дата отчета: 25 ноября 2012 года
Место: Тамань, Россия
Дата инспекции: 25 ноября 2012 года
Название судна: Amaltea
Операция: Погрузка

СВОДНЫЙ ОТЧЕТ ПО СЫРОЙ НЕФТИ

Подсчеты количества на основе
ASTM D 1250-2004

КОНОСАМЕНТЫ

Итого: Брутто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil	101,459.948	638,487.00	26,816,454.00	80,224.381	80,112.775	78,847.47

Итого: Нетто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil	101,459.948	638,487.00	26,816,454.00	80,224.381	80,112.775	78,847.47

БЕРЕГОВЫЕ РЕЗЕРВУАРЫ СЫРОЙ НЕФТИ

Итого: Брутто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil	101,503.320	638,761.00	26,827,962.00	80,227.265	80,115.610	78,850.26

Итого: Нетто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil	101,168.727	638,152.00	26,802,384.00	80,122.158	80,010.650	78,746.97

ТРУБОПРОВОДЫ СЫРОЙ НЕФТИ

Итого: Брутто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil						

Итого: Нетто	Кубические метры при 15°C	Баррели США при 60°F	Галлоны США при 60°F	Метрические тонны в вакууме	Метрические тонны на воздухе	Длинные тонны
Tengiz Crude Oil						



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 Дата отчета: 25 ноября 2012 года
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 Название судна: Amaltea
 Операция: Погрузка
 Замерное средство: Танк Радар

АКТ ЗАМЕРОВ РЕЗЕРВУАРОВ НЕФТИ

Страница 1

Подсчеты количества на основе ASTM D 1250-2004
 Объемный поправочный коэффициент: по Таблице 54A

	Резервуар № 6		Резервуар № 2	
	До	После	До	После
	Тенгизская нефть	Тенгизская нефть	Тенгизская нефть	Тенгизская нефть
Тип сырой нефти				
Замер	23.115	2.096	23.166	3.635
Общий измеренный объем	37,636.806	3,307.221	37,755.162	5,832.047
Взлив продтоварной воды				
Объем подтоварной воды				
Поправка на крышу / понтон	0.549	0.564	0.542	0.554
Статус трубы	Full	Full	Full	Full
Труба				
Коэффициент сжатия стенок	0.99965	0.99970	0.99966	0.99970
Брутто измеренный объем	37,636.260	3,306.660	37,754.620	5,831.490
Откорректиров. брутто объем	37,623.090	3,305.670	37,741.780	5,829.740
Плотность при 15°C	0.7896	0.7896	0.7908	0.7908
Измеренная температура	5.800	7.800	6.300	8.000
Поправ. объемн. коэффициент	1.00904	1.00708	1.00852	1.00686
Брутто стандарт. объем (15°C)	37,963.200	3,329.070	38,063.340	5,869.730
Мех. примеси и вода	0.087	0.087	0.095	0.095
Нетто стандарт. объем (15°C)	37,930.227	3,326.179	38,027.069	5,864.137
Брутто метрические тонны (в вакууме)	29,975.743	2,628.634	30,100.489	4,641.782
Мех. примеси и вода	0.120	0.120	0.131	0.131
Нетто метрические тонны (в вакууме)	29,939.772	2,625.480	30,061.057	4,635.701
Разница, GSV at 15°C		34,634.13		32,193.61
Разница, Брутто метрич. тонны (в вакууме)		27,347.11		25,458.71
Разница, NSV при 15°C		34,604.05		32,162.93
Разница, Нетто метрич. тонны (в вакууме)		27,314.29		25,425.36

	Резервуар № 4		Резервуар №	
	До	После	До	После
	Тенгизская нефть	Тенгизская нефть	Тенгизская нефть	Тенгизская нефть
Тип сырой нефти				
Замер	23.135	2.090		
Общий измеренный объем	37,681.402	3,339.407		
Взлив продтоварной воды				
Объем подтоварной воды				
Поправка на крышу / понтон	0.532	0.555		
Статус трубы	Full	Full		
Труба				
Коэффициент сжатия стенок	0.99963	0.99970		
Брутто измеренный объем	37,680.870	3,338.850		
Откорректиров. брутто объем	37,666.930	3,337.850		
Плотность при 15°C	0.7908	0.7908		
Измеренная температура	5.000	8.200		
Поправ. объемн. коэффициент	1.00979	1.00667		
Брутто стандарт. объем (15°C)	38,035.690	3,360.110		
Мех. примеси и вода	0.104	0.104		
Нетто стандарт. объем (15°C)	37,735.322	3,333.575		
Брутто метрические тонны (в вакууме)	30,078.624	2,657.175		
Мех. примеси и вода	0.142	0.142		
Нетто метрические тонны (в вакууме)	30,035.912	2,653.402		
Разница, GSV at 15°C		34,675.58		
Разница, Брутто метрич. тонны (в вакууме)		27,421.45		
Разница, NSV при 15°C		34,401.75		
Разница, Нетто метрич. тонны (в вакууме)		27,382.51		

Итого: Брутто	Куб. метры 15°C	Баррели США 60°F	Метр. тонны (вак.)	Мет. тонны (возд.)	Длинные тонны
Tengiz Crude Oil	101,503.320	638,761.00	80,227.265	80,115.610	78,850.26

Итого: Нетто	Куб. метры 15°C	Баррели США 60°F	Метр. тонны (вак.)	Мет. тонны (возд.)	Длинные тонны
Tengiz Crude Oil	101,168.727	638,152.00	80,122.158	80,010.650	78,746.97



Report No. RU 0123
Date of report November 25, 2012
Vessel Amaltea
Location Taman, Russia
Inspection date November 25, 2012

SAMPLE RECEIPT

Sample Source	Size	Product	Sample description	Seal No.	Sample Distribution
In-line autosampler	1 Ltr.	Tengiz Crude Oil	In-line autosample	123456	For Vessel
In-line autosampler	1 Ltr.	Tengiz Crude Oil	In-line autosample	123457	For Receiver

Date: November 25, 2012 Receipt acknowledged

The Master of the Vessel Amaltea: Nikolaos Charalampous: _____

Representative of "Tamanneftegas" _____ A. Sharipov



Report no. RU 0123
Date of report November 25, 2012
Vessel Amaltea
Location Taman, Russia
Inspection date November 25, 2012

SAMPLE REPORT

Sample Source	Size	Product	Sample description	Seal No.	Sample Distribution
In-line autosampler	1 Ltr.	Tengiz Crude Oil	In-line autosample	Open	For analysis
In-line autosampler	1 Ltr.	Tengiz Crude Oil	In-line autosample	123458	Retained

Date: November 25, 2012

Representative of "Tamanneftegas" A. Sharipov



Report no. RU 0123
 Date of report November 25, 2012
 Vessel Amaltea
 Location Taman, Russia
 Inspection date November 25, 2012

LETTER OF PROTEST

To: To Whom It May Concern

At the Port of: Taman

Dear Sir,

On behalf of our principal(s), we hereby notify you that on the day of November 25, 2012 the following occurrence was noted:

We found traces of water in ship's cargo tanks Nos. P1, S2, P5.

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

Please direct any written correspondence on this matter to:

Tel: +7 495 123 45 67
 Fax: +7 495 123 45 68
 Email: ops@tamaneftegas.ru

Very truly yours:

Receipt acknowledged:

Date: November 25, 2012

Date: November 25, 2012

Signed by: A. Sharipov

Signed by: N. Charalampous

For: Tamaneftegas

For: MT Amaltea



CERTIFICATE OF QUALITY
Tengiz Crude Oil

Report no. RU 0123
Date of report November 25, 2012
Vessel Amaltea
Location Taman, Russia
Inspection date November 25, 2012

Sample of: Tengiz Crude Oil
Sample drawn by: SGS
Sample description: Multiple Shore Tank Composite Sample
(Upper-Middle-Lower) from each shore tank
Received on: 25-Nov-12
Testing performed by: Loadport Surveyor's laboratory
On the: 25-Nov-12

Test		Method	Specification	Result
Density at 15°C	kg/l	ASTM D 5002-99(2010)		0.7907
API at 60°F		Calculated by Table 51		47.37
Sediment Content	mass%	ASTM D 473-07		Nil
Water by Distillation	mass%	ASTM D 4006-07		Nil
Chloride Salt Content	mass%	ASTM D 3230-09		Nil
Sulphur Content	mass%	ASTM D 4294-08ae1		0.523

Chemist's name: A. Lotkov

Tests witnessed by: Tamanneftegas Representative