

### **Cover Page**

Please find enclosed a selection of documents of the underneath operation :

Client : Targray Markets Europe SA

Client Reference # : TMES-1184/1-A

Operation : Petroleum Loading

Object : North Carolina

Product : FAME

Location : Koole Tankstorage Botlek BV

AmSpec File # : 621-23-03399

Calculation Method : Table 54

If you require any more information regarding above operation which are not included in this report, please let us know and we will inform you promptly and accordingly

Be advised that Field Documents with both signatures from the AmSpec Surveyor, Vessel's Representative and/or Installation are not always included in this report. Also the Certificate of Quality is not included in this Report and will be send to you, if applicable and/or on request, seperately by your designated AmSpec Representative.

Whenever you have a complaint or if you are not satisfied with our services, please contact us immediately

compliance@amspecgroup.com



# **Summary Report - Petroleum Loading**

Jobfile #: 621-23-03399

Barge Product	: North Carolina : FAME				Date: 13/03/202	3
Location	: Koole Tankstorage Botlek BV			Method us	sed for calculation: Table 54	В
Bill of lading	(*)					
Bill of lading	Bill of Lading date	Dens 15°C vac	m³ at 15°C	mton vac	mton air	bbls at 60°F
#1	13/03/2023	0.8774	3,740.809	3,282.286	3,278.172	23,539.34
<b>Total</b> Bill of Lading based on:	Shore measurements	0.8774	3,740.809	3,282.286	<b>3,278.172</b> * Calculated by AmSpec for co	23,539.34 omparison only
Loadport comparison						
Ship loaded vs. Bill of La	ading		m³ at 15°C	mton vac	mton air	bbls at 60°F
Bill of Lading			3,740.809	3,282.286	3,278.172	23,539.34
Ship loaded			<u>3,747.730</u>	<u>3,288.258</u>	<u>3,284.256</u>	23,582.89
Difference as percentage			6.921 0.19%	5.972 0.18%	6.084 0.19%	43.55 0.19%
			0.13/0	0.10/0	0.13%	0.1370
Delivered Quantity / Sh	nore Measurements					
Delivered units		Dens 15°C vac	m³ at 15℃	mton vac	mton air	bbls at 60°F
Shoretank 606		0.8828	600.220	529.874	529.214	3,776.93
Shoretank 608		0.8764	3,140.589	2,752.412	2,748.958	19,762.41
Total		0.8774	3,740.809	3,282.286	3,278.172	23,539.34
Received Quantity / Sh	ip's Figures					
		Dens 15°C vac	m³ at 15℃	mton vac	mton air	bbls at 60°F
Ship's figures before loa	ding (OBQ)					
Ship's figures after loadi	ing	0.8774	3,747.730	3,288.258	3,284.256	23,582.89
Ship's figures loaded		0.8774	3,747.730	3,288.258	3,284.256	23,582.89
Cargo stowed in tanks :	C1,C2,C3,C4,C5,C6,C7,C8	,C9,C10,C11				



## **Summary Report - Petroleum Loading**

Jobfile #: 621-23-03399

Barge : North Carolina Date : 13/03/2023

Product : FAME

**Location**: Koole Tankstorage Botlek BV **Method used for calculation**: Table 54

B

Time Log			
<u>Date</u>	<u>Time</u>	<u>Event</u>	<u>Remarks</u>
11-03-2023	11:00	Barge arrived at location / reported	
12-03-2023	08:45	Barge moored at the installation	
12-03-2023	10:00	Arm(s)/hose(s) connected	
12-03-2023	13:00	Barge inspected	
12-03-2023	14:00	COMMENCED LOADING	
13-03-2023	06:00	COMPLETED LOADING	
13-03-2023	06:48	Barge's tanks measured and sampled	
13-03-2023	11:30	Arm(s)/hose(s) disconnected	
13-03-2023	12:45	Barge unmoored	

Sample Phase	Sample description	Tank#	Amour	<u>ıt</u>	Volume (Litre)	Distribution
During Loading	End Of ShoreLine		1	Χ	1	Retain
During Loading	Manifold		1	Χ	1	Retain
During Loading	1st Foot	C11	1	Χ	1	Analyse
After Loading	Running	C1,2,3,4,5,6,7,8,9,10,11	11	Χ	1	Analyse

Total	14	

### Remarks

Additional information and original signed forms are kept on file and will be made available upon first request.

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## **Time Log**

Jobfile #: 621-23-03399

Barge:	North Carolina		<b>Date</b> : 12/03/2023
Product:	FAME		
Location:	Koole Tankstorage Botlel	k BV	
Time Log			
<u>Date</u>	<u>Time</u>	Event	Remark
11-03-2023	11:00	Barge arrived at location / reported	
12-03-2023	08:45	Barge moored at the installation	
12-03-2023	08:55	Surveyor notified initial inspection	
12-03-2023	10:00	Arm(s)/hose(s) connected	
12-03-2023	12:30	Surveyor on board initial inspection	
12-03-2023	13:00	Barge inspected	
12-03-2023	14:00	COMMENCED LOADING	
13-03-2023	06:00	COMPLETED LOADING	
13-03-2023	06:00	Surveyor notified final inspection	
13-03-2023	06:15	Surveyor on board final inspection	
13-03-2023	06:48	Barge's tanks measured and sampled	
13-03-2023	11:17	Documents on board	
13-03-2023	11:30	Arm(s)/hose(s) disconnected	
13-03-2023	12:45	Barge unmoored	
<u>DELAYS</u>			
<u>From</u>	<u>Until</u>	<u>Delay</u>	Remark
Sianed for Barae:			Cinned by AncCase
Signed for Barge:			Signed by AmSpec :

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Signed for Barge:

## **Tank Inspection Report**

Jobfile #: 621-23-03399

12-03-2023 Barge North Carolina Date: FAME 13:00 Location Koole Tankstorage Botlek BV TANK INSPECTION REPORT Information provided by ship's officers or ship's log cannot be guaranteed as accurate and no liability can be assumed for errors that result from improper information supplied. The responsibility for such information must remain with the vessel and her officers. 3rd Last cargo Method said to be used for cargo tanks and cargo lines cleaning Insp. Point C1 None, well drained Middle Gasoil Gasoil Gasoil C2 Gasoil Gasoil Gasoil None, well drained Middle C3 Gasoil Gasoil Gasoil None, well drained Middle C4 None, well drained Middle Gasoil Gasoil Gasoil C5 Gasoil Gasoil Gasoil None, well drained Middle C6 Gasoil Gasoil Gasoil None, well drained C7 Gasoil Gasoil Gasoil None, well drained Middle C8 Gasoil Gasoil Gasoil None, well drained Middle С9 Gasoil Gasoil Gasoil None, well drained Middle C10 Gasoil Gasoil Gasoil None, well drained Middle C11 Gasoil Gasoil Gasoil None, well drained Middle The cargotank(s) is/are provided with the following protective coating: Mild steel Above cargotanks have been inspected by means of : The undersigned AmSpec representative declares hereby that above mentioned cargo tanks have been inspected prior to the loading and have been found as:

Visual inspection from ta	nk bottom-level (tanks entered)	Clean and acceptable to load the nominated product
X Visual inpection from de	ck-level	X Acceptable to load the nominated product
Inspection by dipping (Refer to our 'OBQ Repor	t')	All or some cargo tank(s) are/is rejected to load the nominated product
Inspection by dipping und (Refer to our 'OBQ Repor for 'Closed Gauging and S	t' and Letter of Protest	Due to the fact that 'Closed Procedure' was applied to the inspection, we were unable to perform a visual inspection of the cargo tanks; therefore the vessel's cargo tanks suitability remains at the owner's responsibility
Due to the nature of the cargo to be loaded and t necessary that First Foot samples are drawn and		encement of loading this cargo is depending on permission obtained from the principal(s). It may be
Whilst every effort has been made to comply wit advised tank cleaning methods. Valves are not se	•	esponsible for those areas beyond visual inspection (such as pumps, lines) and/or the effectiveness of
The Master or Chief Officer by signing this report cargo tanks, at loading, voyage or discharge.	assumes all responsibility for the cleanliness of the	e vessel's tanks and for any damage that might be caused to the cargo due to insufficient cleanliness of the
Object representative declares that heating coils Tank Inspection Report is valid only at the date, ti	(if present) are working, tested and tight. The response and place of the inspection.	onsibility for heating coils rests with the object.
Remarks :		

Signed by AmSpec:



## **Quantity Request - Loading**

Jobfile #: 621-23-03399

 Barge
 : North Carolina
 Date : 12/03/2023

Product : FAME

Location : Koole Tankstorage Botlek BV Method used for calculation : ASTM T54 B

## LOAD PLAN

Please be informed that we received the following instructions from our principals to load the ship accordingly:

	mt VAC	Density *	m³ @ 15°C	* Density @	15°C VAC	
Nomination	3,260	0.8774	3,716	Tolerance :	ACAP But Max	
				Correction table :	ASTM Table 54	В

Load from mt VAC Density \* m³ @ 15°C mass % Temp °C m³ @ obs °C SHT: 606 530 0.8828 600 16.26% 11.3 599 2 SHT: 608 2,730 0.8764 3115 83.74% 52.5 3212 3 4 5 6 7 0.8774 3,260 3715 100.00% 3811 Total: 45.9

Please call AmSpec 1 hour before completion. (Tel: +31 (0) 181 - 729600 24hrs)

Signed for Barge:		Signed for Installation:	Signed for Amspec:						
	Do not commence, inform Client immediately fo	r clarification							
	Kindly verify our information with your own insti								
	vessel and terminal's safety regulations	vessel and terminal's safety regulations							
	commingled evenly spread in nominated cargo to	sel is hereby instructed to load above mentioned parcels anks as far as operationally possible and always in accor	•						
	quality differences between parcels resulting du	e to the above stated fact.							
		ves we are obliged to hold vessel fully responsible for an	ny quantity or						
	Vessel is to keep these tanks completed segregated from the rest of the cargo on board during all the operation.								
	Vessel is holding slops in cargo tank(s)								
	resulting due to the above stated fact.								
		sible for any quantity or quality differences between par	•						
	in cargo tank(s)	entire operation. Since segregation is only controlled by	u chin's						
	Vessel is holding another parcel(s) of								
	Barge Instructions in-line with AmSpec:	Yes							
	Terminal instructions in-line with AmSpec:	Yes							
	Remarks:	First Foot in Cargo tank							
	Max capacity cargotanks (98%):								
	Cargotanks to be loaded :	C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11							
	All quantities to be stopped by :	TERMINAL							
	Line displacement at start :								



#### **Load Plan Vessel**

 Object
 : North Carolina

 Product
 : FAME

 Date:
 12/03/2023

Location: Koole Tankstorage Botlek BV Time: 13:30

#### **LOAD PLAN VESSEL**

Dear Captain / Chief Officer

With respect to the above mentioned cargo, we must advise you, on behalf of our principals, to evenly spread the following quantities in your cargotanks, according to this loadplan.

#### Please note all volumes in each step mentioned are OBSERVED VOLUMES (m3 @ observed temperature)

Tanks	Loadplan	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10	Step 11	Step 12	Step 13	Step 14	Step 15	Step 16
C1	363,570	57,189	364,060														
C2	365,012	57,416	365,504														
C3	364,466	57,330	364,958														
C4	364,263	57,298	364,754														
C5	186,948	29,407	187,200														
C6	364,063	57,267	364,554														
C7	364,563	57,345	365,055														
C8	364,877	57,395	365,369		l												
C9	365,432	57,482	365,925		l												
C10	347,834	54,714	348,303					ļ ļ									
C11	354,533	55,767	355,011		<b> </b>						-						
					<b> </b>			ł <b> </b>									
								ł <b> </b>	-		-						
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					1												
Tatala	2 005 561	E00 C00	2.010.004														
Totals	3,805,561	598,609	3,810,694		!			<u> </u>									
Density @	915°C	0.8828	0.8774														
Average a	anticipated tem	perature °C			]												
Calculate	d observed volu	ume (total m³)		3,810,694	]												
Max capa	city cargotanks	98%			Ī												
	riction (in m)				j												
												_					
	Signed for Vessel: Signed for Amspec:																

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## **Ullage Report After Loading**

Jobfile #: 621-23-03399

 Barge
 : North Carolina
 Date: 13/03/2023

 Product
 : FAME
 Time: 6:45

Location : Koole Tankstorage Botlek BV Method used for calculation : ASTM Table 54 B

Ullage Report Afte	r Loading					Density	in VAC (kg/l 15°C) :	0.8774	
Tank #	Observed	Corrected	Observed	Total Observed	Free Water	Free Water	Gross Observed	VCF	Total Standard
	Ullage	Ullage	Temperature	Volume	Innage	Volume	Volume	T54 B	Volume
No.	mm	mm	°C	Litres	mm	Litres	Litres		Litres 15°C
C1	4444	4444	41.2	363,907			363,907	0.97899	356,261
C2	4434	4434	41.3	364,519			364,519	0.97891	356,831
C3	4443	4443	38.1	364,713			364,713	0.98149	357,962
C4	4435	4435	41.3	363,852			363,852	0.97891	356,178
C5	2396	2396	36.1	194,908			194,908	0.98310	191,614
C6	4437	4437	41.8	363,816			363,816	0.97851	355,998
C7	4444	4444	41.0	364,892			364,892	0.97915	357,284
C8	4442	4442	40.4	365,042			365,042	0.97964	357,610
C9	4441	4441	39.2	365,042			365,042	0.98060	357,960
C10	4443	4443	38.8	365,514			365,514	0.98093	358,544
C11	4444	4444	38.6	348,070			348,070	0.98109	341,488
		Total	39.97	3,824,275			3,824,275		3,747,730
		_	- 6- 1/ )						
	Gauge Equipment : _	Amspec Tape	Draft Fwd (m) :		•			Veather condition :	Calm in port
- 1	Equipment number : _	H-5528	Draft Aft (m) :	3.41	List (° P/S) :	Nil	Calibratio	n table valid from :	
TOTAL FIGURES		Litres 15°C	mton vac	mton air	Densi	ty at 15°C VAC	Bbls 60°F	Gallons 60°F	Long Tons
Ship's figures after	loading	3,747,730	3,288.258	3,284.256		0.8774	23,582.89	990,481	3,232.386
Ship's figures befor	e loading								
Ship's figures loade	ed	3,747,730	3,288.258	3,284.256		0.8774	23,582.89	990,481	3,232.386
Ship's figures loaded	VEF applied								
	Remarks :								
	_								
						_			
Signed for Barge:						S	igned by AmSpec :		



#### **Shore Measurements**

Jobfile #: 621-23-03399

Barge : North Carolina Date: 13/03/2023 Product : FAME Koole Tankstorage Botlek BV Method used for calculation: ASTM Table 54 Location : В **Shore Measurements** Delivered Unit Innage/Ullage Temp TOV water dip water vol. Density 15°C Roof corr. GOV GSV mt air mt vac Shoretank 606 mm °C Litres observed Litres kg/l 15° vac Litres Litres observed Litres 15°C metric tons metric tons Open Α 6024 11.29 2,682,151 0.8828 2,682,151 2,690,010 2,374.741 2,371.782 Α 4715 11.25 2,083,619 0.8828 2,083,619 2,089,790 1,844.867 1,842.568 0.8828 598,532 529.214 M - Manual / A - ATG measurements Delivered quantity : 600,220 529.874 Delivered Unit water dip GOV Innage/Ullage Temp TOV water vol. Density 15°C Roof corr. GSV mt vac mt air kg/l 15° vac Shoretank 608 °C Litres 15°C Litres observed Litres Litres observed metric tons metric tons mm mm Litres 7373 52.54 3,318,081 0.8764 3,318,081 3,217,809 2,820.088 2,816.548 Open A Water strapping 45.50 79,259 0.8764 79,259 77,220 67.676 67.590 Close M - Manual / A - ATG measurements Delivered quantity : 0.8764 3,238,822 3,140,589 2,752.412 2,748.958 ADDITIONAL DELIVERIES Delivered Unit description kg/l 15° vac Litres observed Litres 15°C metric tons vac metric tons air TOTAL DELIVERED QUANTITY Temp °C kg/l 15° vac Litres observed Litres 15°C metric tons vac metric tons air 0.8774 3,740,809 3,278.172 46.1 3,837,354 3,282.286 US Barrels 60°F US Gallons 60°F Long Tons 23,539.34 988,652 3,226.398

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Signed by Vessel / Barge:

## **Certificate of Quantity**

Jobfile #: 621-23-03399

North Carolina Date: 13/03/2023 Barge Product FAME Location Koole Tankstorage Botlek BV Method used for calculation: ASTM Table 54 B **CERTIFICATE OF QUANTITY** Bill of Lading date : 13/03/2023 Quantity based on : Shore measurements The cargo was stowed in ship's tanks : C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11 Liters observed 3,837,354 Litres @ 15°C 3,740,809 Cubic metres @ 15°C 3,740.809 Metric tons VAC 3,282.286 Metric tons AIR 3,278.172 US Barrels @ 60°F 23,539.34 US Gallons @ 60°F 988,652 Long Tons 3,226.398 **Short Tons** 3,613.565 Density @ 15°C kg/I VAC 0.8774 Litreweight @ 15°C kg/l AIR 0.8763 Conversion factors used Main table used for calculations **ASTM Table** Metric tons VAC MPMS 11.5.3 - 4.5 Metric tons AIR MPMS 11.5.3 - 4.5 Long tons MPMS 11.5 - Annex D MPMS 11.5 - Annex D Short tons US Gallons @ 60°F MPMS 11.5.3 - 4.24 US Barrels @ 60°F MPMS 11.5.3 - 4.25 Relative density 60/60 °F MPMS 11.5.3 - 4.3 MPMS 11.5.3 - 4.4 \* Calculated by AmSpec according to API guidelines and for comparison purposes.

Signed by AmSpec:



# **Sample Report**

Jobfile #: 621-23-03399

Barge Product Location	: :	North Carolina FAME Koole Tankstorage	e Botlek BV			<b>Date</b> : 13/0	3/2023
SAMPLES		Nooic ramscorage					
Amount		Volume (Litre)	Sample Phase	Sample description	Tank#	<u>Distribution</u>	Seal no(s)
1	Х	1.0	During Loading	End Of ShoreLine		Retain	N/A
1		1.0	During Loading	Manifold		Retain	N/A
1		1.0	During Loading	1st Foot	C11	Analyse	N/A
- 11		1.0	After Loading	Running	C1,2,3,4,5,6,7,8,9,10,11	Analyse	N/A
					,-,-, -,-,-,-,-,-,-,-,-	,	
Cinnad for D					-	and and have American	
Signed for Barg	je:				Si	gned by AmSpec :	