

LOADING REPORT

SHIPPER : VITOL ASIA PTE LTD
CONSIGNEE : TO THE ORDER OF VITOL ASIA PTE LTD
DESTINATION : ONE OR MORE SAFE PORT(S), AUSTRALIA
PRODUCT NAME : UNLEADED GASOLINE 98RON
LOADPORT : YOSU, SOUTH KOREA
VESSEL : TORM VENTURE
VITOL REF : APL2250260
REPORT NO. : YL23-20023792
DATE OF INSPECTION : 20TH OCTOBER 2023

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Address :

SGS Korea Co., Ltd.
Yosu Office
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Inspector : Kai Kim / Inspector

Yosu, South Korea 20th October 2023
SGS Korea Co., Ltd.



Kai Kim / Inspector
Natural Resources
Oil, Gas & Chemical Commodities

CERTIFICATE OF QUANTITY

SHIPPER : VITOL ASIA PTE LTD
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THIS IS TO CERTIFY THAT the following quantity of UNLEADED GASOLINE 98RON was loaded onboard the TORM VENTURE at Yosu, South Korea on 20th October 2023

KILOLITRES AT 15 DEG C	4,780.544
US BARRELS AT 60 DEG F	30,088.74
LONG TONS	3,501.491
METRIC TONS	3,557.681
KILOLITRES AT 30DEG C	4,869.659
KILOLITRES AT OBSERVED	4,808.433

Yosu, South Korea 20th October 2023
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CERTIFICAT OF QUALITY

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The followings are the results of analysis performed by SGS laboratory on the sample of shore tank(s) before loading which drawn by SGS Inspector.

Test Items	Test Method	Limit	Test Results T403
*Additives			
Metal deactivator/silver corrosion inhibitor, mg/L	Declaration	Max 3.0	Nil addition
Silicon, mg/L	Declaration	Max 1	Nil addition
Antioxidant, mg/L	Declaration	Max 24.0	Nil addition
Dye, mg/L	Declaration	Max 6	Nil addition
Organometallic octane improvers	Declaration	Nil addition	Nil addition
Ferrocene	Declaration	Nil addition	Nil addition
Nitrogen containing octane enhancers	Declaration	Nil addition	Nil addition
Appearance	ASTM D4176 Proc 1		
Freewater		Pass	Pass
Particulate		Pass	Pass
Clear & Bright		Pass	Pass
Appearance: Visual	Visual	Clear and Bright	Clear & Bright
Aromatics: Total, vol%	ASTM D6839	17-35	34.7
Benzene content, vol%	ASTM D6839	Max 1.0	0.67
Color of finished gasoline	Visual	Clear to Yellow	Pale Yellow
Corrosion: Copper (3hr@50°C), rating	ASTM D130	Max 1	1a
Density : @15°C, kg/L	ASTM D4052	Report	0.7453
Distillation: % evaporated @ 70°C, vol%	ASTM D86	Report	28.8
Distillation: 10% evaporated, °C	ASTM D86	Max. 65.0	53.2
Distillation: 50% evaporated, °C	ASTM D86	Max 115	93.7
Distillation: 90% evaporated, °C	ASTM D86	Max 183.0	152.8
Distillation: Final boiling point, °C	ASTM D86	Max 210.0	182.9
Loss, vol%	ASTM D86	Report	1.1
Residue, vol%	ASTM D86	Max 2.0	1.1
RVP, kPa	ASTM D5191	Min 45.0	58.6
Driveability index, number	Calculated	Report	514
Ethanol content, vol%	ASTM D4815	Nil addition	Not detected
Flexible volatility index (FVI), number	Calculated	Max 96	79
Gum: Existent unwashed, mg/100mL	ASTM D381	Max 30	0.5
Gum: Washed, mg/100mL	ASTM D381	Max 5.0	0.5
Induction period @ 100°C, minutes	ASTM D525	Min 360	>360
Lead, mg/L	ASTM D3237	Max 5.0	<2.5

- To be continued -

Test Items	Test Method	Limit	Test Results
			T403
Octane number:Motor (Mon), number	ASTM D2700	Min 85.0	87.1
Octane number:Research (Ron), number	ASTM D2699	Min 98.0	98.1
Odor		Pass	Pass
Olefins content, vol%	ASTM D6839	Max 18.0	13.3
Oxygen content, mass%	ASTM D4815	Max 2.7	<0.10
Oxygenate type:DIPE, vol%	ASTM D4815	Max 1.0	Not detected
Oxygenate type:ETBE, vol%	ASTM D4815	Max 1.0	Not detected
*Oxygenate as component, vol%	Declaration	Nil addition	Nil addition
Oxygenate type:MTBE, vol%	ASTM D4815	Max 1.0	Not detected
Oxygenate type:TBA, vol%	ASTM D4815	Max 0.5	Not detected
Particulate contamination, mg/L	ASTM D5452	Max 3.0	1.00
Phosphorus, mg/L	ASTM D3231	Max 1.3	<0.20
Silver strip corrosion:3Hr @50°C, Classification	ASTM D7671	Max 1	0
Sulfur, mg/kg	ASTM D5453	Max 50	5.2
Sulfur:Mercaptan, mg/kg	ASTM D3227	Max 15	<3
*Unhydrotreated steam cracked naphtha			
As component, vol%	Declaration	Nil addition	Nil addition
As contaminant, vol%	Declaration	Max 0.5	Nil addition
Oxygenate:Total, vol%	ASTM D4815	Max 1.0	<0.20

Remark :

- 1) * The information of additives was provided by Supplier.
- 2) Batch complies with the Australian Fuel Standard (Petrol) Determination 2019.

Yosu, South Korea 20th October 2023
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The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of the data shown on this report should refer to the latest published revisions of ASTM D3244; IP 367 and ISO 4259 and when utilising the test data to determine conformance with any specification or process requirement. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

ULLAGE REPORT

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 LOADPORT : YOSU, SOUTH KOREA
 VESSEL : TORM VENTURE
 VITOL REF : APL2250260
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AFTER LOADING

● Draft : Fwd.= 7.50M Fwd.= 7.50M List = Nil

Tank No.	Ullage	Trim / List	Equip't / Dens.	Corr'd Ullage	Temp. (°C)	Total Obs'd Volume	Free Water		Gross Obs'd Volume	VCF ASTM	Gross St'd Volume
							Innage	Vol.			
3P	13.660	0.000	0.000	13.660	20.4	2,415.750	N/F	0.000	2,415.750	0.9933	2,399.564
3S	13.730	0.000	0.000	13.730	20.3	2,369.040	N/F	0.000	2,369.040	0.9936	2,353.878
LINE				0.000	20.4	13.323	N/F	0.000	13.323	0.9933	13.234
TOTAL					20.4	4,798.113		0.000	4,798.113		4,766.676

Density @ 15°C : 0.7453 by calculated
 : 0.7442 In Air
 Sea Condition : Slight Sea
 Used Table : ASTM D-1250 Table 54B, 52 & 1
 Gauging Equip't : UTI 22207

Total Loaded Onboard Quantity

4,766.676 KILOLITRES AT 15 DEG C
 30,001.46 US BARRELS AT 60 DEG F
 3,491.333 LONG TONS
 3,547.360 METRIC TONS
 4,855.532 KILOLITRES AT 30DEG C
 4,798.113 KILOLITRES AT OBSERVED

Yosu, South Korea 20th October 2023
SGS Korea Co., Ltd.



Kai Kim / Inspector
 Natural Resources
 Oil, Gas & Chemical Commodities

ORIGINAL SIGNATURE
 IN OUR JOB FILE

Signed by Master/Chief Officer
 of TORM VENTURE

TANKER TIME SHEET

SHIPPER : VITOL ASIA PTE LTD
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DATE	TIME	PARTICULARS
16-Oct-2023	1030 hrs	* End of Sea Passage
18-Oct-2023	0001 hrs	* Notice of readiness tendered
19-Oct-2023	0754 hrs	* Anchor aweigh
19-Oct-2023	1012 hrs	* Pilot on board
19-Oct-2023	1106 hrs	* First line ashore
19-Oct-2023	1154 hrs	* All made fast to OKYC wharf no.1
19-Oct-2023	1154 hrs	* Notice of readiness accepted
19-Oct-2023	1200 hrs	Surveyor on board
19-Oct-2023	1200-1330 hrs	Tank Inspection & passed
19-Oct-2023	1300 hrs	* Connected loading arm
19-Oct-2023	1430 hrs	* Commenced loading
19-Oct-2023	1500 hrs	Surveyor left her
20-Oct-2023	0400 hrs	Surveyor on board
20-Oct-2023	0424 hrs	* Completed loading
20-Oct-2023	0424-0600 hrs	Tank gauging, Cargo calculation & Sampling
20-Oct-2023	0600 hrs	* Disconnected loading arm
20-Oct-2023	0630 hrs	* Document onboard
20-Oct-2023	0640 hrs	Surveyor left her
20-Oct-2023	0700 hrs	* Vessel scheduled to de-berth

Remark :

Yosu, South Korea 20th October 2023
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Times marked *are reported as per statement of facts issued by the installation and/or ship without any responsibility on our part for their accuracy.

EMPTY CERT/TANK CLEANNES

SHIPPER : VITOL ASIA PTE LTD
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SUBJECTED CARGO TANKS (The below data was given by the ship's master/Chief officer.)

Vessel Tanks	Last Cargo	2nd Last Cargo	3rd Last Cargo	Tank Coating	Type
3P/S	NAPHTHA	Unleaded Gasoline	Heavy Naphtha	Epoxy	A

The cleaning work for the cargo tank(s) of the vessel was completely performed prior to our attendance.

● **Cleaning Method : Type A**

1. B/W with cold sea water for 60 mins
2. Rinsing with cold fresh water for 15 mins
3. All lines and pumps flushing and stripped well
4. Inerted

● **INERTED CONDITION THEREFORE UNSAFE FOR ENTRY.**

All designated tanks, numbered : 3P/S

were under an inert gas blanket and therefore no visual inspection could be made.

The designated cargo tank(s) were inspected by manual sounding using the UTI equipment with oil and water finding paste for the residue, water and OBQ on tank bottoms

From this observation, no measurable liquid was detected using a UTI equipment at closed system gauging points.

No measurement aft left & right of the measurement points were possible.

All ship's tanks, lines and pumps were said to be cleaned and dry by Chief officer.

Inspection time : 1200hrs - 1330hrs on 19th October 2023

Yosu, South Korea 20th October 2023
SGS Korea Co., Ltd.



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ORIGINAL SIGNATURE
IN OUR JOB FILE

Signed by Master/Chief Officer
TORM VENTURE

SAMPLE REPORT

SHIPPER : VITOL ASIA PTE LTD
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Kindly note that we, undersigned surveyor, has drawn following samples

<u>Sample Source</u>	<u>Type</u>	<u>Size</u>	<u>Q'ty</u>	<u>Seal No.</u>	<u>Distribution</u>
Shore Tk. T-403	Composite	4 Litres	2	0844080 / 0844081	Retained SGS lab.
Shore Tk. T-403	Composite	4 Litres	1	0844062	For Receiver
Shore Tk. T-403	Composite	4 Litres	1	0844063	For Master
Shore Tk. T-403	U/M/L	1 Litres	3	0844064	Retained SGS lab.
Shore Tk. T-403	U/M/L	1 Litres	3	0844065	For Receiver
Shore Tk. T-403	U/M/L	1 Litres	3	0844066	For Master
2. Line drip sample during loading.					
Ship's manifold sample at start of loading	Line drip	4 Litres	1	0844067	Retained SGS lab.
Ship's manifold sample at start of loading	Line drip	4 Litres	1	0844068	For Receiver
Ship's manifold sample at start of loading	Line drip	4 Litres	1	0844069	For Master
Shore line sample during loading	Line drip	4 Litres	1	0844070	Retained SGS lab.
Shore line sample during loading	Line drip	4 Litres	1	0844071	For Receiver
Shore line sample during loading	Line drip	4 Litres	1	0844072	For Master
3. Ship's tank one-foot sample during loading.					
Individual ship's tank sample	Individual	1 Litre	2	0844073	Retained SGS lab.
Ship's tank composite	Composite	4 Litres	1	0884074	Retained SGS lab.
3. Ship's tank sample after loading.					
Ship's tank composite sample (3P/S)	Composite	4 Litres	2	0844061 / 0844075	Retained SGS lab.
Ship's tank composite sample (3P/S)	Composite	4 Litres	1	0844076	For Receiver
Ship's tank composite sample (3P/S)	Composite	4 Litres	1	0844077	For Master
Ship's tank composite sample	Composite	4 Litres	1	N/A	For Analysis
Individual ship's tank sample (3P/S)	Individual	1 Litre	2	0844078	Retained SGS lab.
Individual ship's tank sample (3P/S)	Deadbottom	1 Litre	2	0844079	Retained SGS lab.
4. Chevron Additional sample					
Shore Tk. T-403	Composite	4 Litres	2	N/A	Retained SGS lab.
Ship's tank composite sample	Composite	4 Litres	2	N/A	Retained SGS lab.

The above samples will be retained only 3 months unless written instructions to be contrary are received.

YosU, South Korea 20th October 2023
 SGS Korea Co., Ltd.



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 Natural Resources
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MASTER RECEIPT OF SAMPLES

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Size of Sample	SGS Seal Number		Sample Source
	For receiver	For Master	
4 Litres X 2 Cans	0844062	0844063	SHORE TK T-403 BEFORE LOADING
1 Litres X 6 Cans	0844065	0844066	SHORE TK T-403 (U/M/L) BEFORE LOADING
4 Litres X 2 Cans	0844068	0844069	Ship's manifold sample at start of loading
4 Litres X 2 Cans	0844071	0844072	Shore line sample during loading
4 Litres X 2 Cans	0844076	0844077	Ship's tank composite sample (3P/S)

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 Master of TORM VENTURE

MASTER RECEIPT OF DOCS

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I hereby acquired the following documents from the surveyor at Yosu, South Korea dated on 20th October 2023

Certificate	For Consignee	For Master
CERTIFICATE OF QUANTITY	1 Copy	1 Copy
CERTIFICATE OF QUANTITY	1 Copy	1 Copy
ULLAGE REPORT	1 Copy	1 Copy
TANKER TIME SHEET	1 Copy	1 Copy
EMPTY CERT/TANK CLEANNES	1 Copy	1 Copy
MASTER RECEIPT OF SAMPLES	1 Copy	1 Copy
MASTER RECEIPT OF DOCS	1 Copy	1 Copy
LETTER OF PROTEST	1 Copy	1 Copy

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SHORE TANK MEASUREMENT REPORT

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SHORE TANK'S SOUNDING BEFORE AND AFTER LOADING

Shore Tank No.	T-403			
Level (m)	3.969	0.000		
T.O.V (KL)	4,807.551	0.000		
Free Water (m)	0	0		
Free Water (KL)	0	0		
Temp Corr.	1.00000	1		
Roof Corr.(KL)	0.882	0		
G.O.V (KL)	4,808.433	0.000		
Temp.(°C)	19.7	20.0		
Density @15°C	0.7453	0.7453		
Density in Air	0.7442	0.7442		
ASTM T-52	6.294	6.294		
VCF (T-54B)	0.9942	0.9939		
G.S.V (KL)	4,780.544	0.000		
US Bbls @60°F	30,088.74	0.00		
Long Tons	3,501.491	0.000		
Metric Tons	3,557.681	0.000		

TOTAL DELIVERED QUANTITY

Unit	T-403			TOTAL
KILOLITRES AT 15 DEG C	4,780.544			4,780.544
US BARRELS AT 60 DEG F	30,088.74			30,088.74
LONG TONS	3,501.491			3,501.491
METRIC TONS	3,557.681			3,557.681
LITRES AT 15 DEG C	4,780,544			4,780,544
US GALLONS AT 60 DEG F	1,263,727			1,263,727

Sample source for Specific Gravity @ 60°F : U/M/L. Sample ex Shore tank before loading

Shore line is fully packed before and after loading

Used Table : ASTM D-1250 Table 54B, 52 & 1

Calculated Density : 0.7453

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LETTER OF PROTEST

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☒ At Loading
 ☐ At Discharge
 ☐ At Transfers

Our inspector observed the following discrepancies/circumstances that could be detrimental to correct our inspection/intervention.

Observations:

1) Quantity discrepancy between Bill of Lading figure and Ship's figure

<u>Unit</u>	<u>K/L at 15°C</u>	<u>BBLs at 60°F</u>	<u>Long Tons</u>	<u>Metric Tons</u>
BL Figure	4,780.544	30,088.74	3,501.491	3,557.681
Ship's Figure	4,766.676	30,001.46	3,491.333	3,547.360
Difference	-13.868	-87.28	-10.158	-10.321
Percentage	-0.290%	-0.290%	-0.290%	-0.290%

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SGS Korea Co., Ltd.

ORIGINAL SIGNATURE
IN OUR JOB FILE

Signed by Master/Chief Officer
of TORM VENTURE



Kai Kim / Inspector
Natural Resources
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