



**Cartagena Laboratory**

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CIF : B72083769

**ANALYTICAL REPORT**

**Job Number:** 249-4

**O/ Ref:** 647-19-00029-4

**Y/ Ref:** N/A

**Grade:** GOA

**Origin:** TERMINALES CANARIOS, TENERIFE

**Label:** AMSPEC

**Identification:** SHT 101 - T0519101-M/N "STI CAMDEN"

**Description:** SHORE TANK COMPOSITE AFTER DISCHARGE

**Date of reception:** 20/08/2019

**Date Analysis started:** 20/08/2019

**Date Analysis completed:** 20/08/2019

**Sample Package:** 2X1L CAN

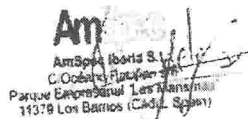
**Sampling date:** 13/08/2019

**Seal N°:** N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,8366	
Viscosity at 40°C	mm <sup>2</sup> /s	ISO 3104:1994/Cor.1:1997(E)	2,633	
Sulphur content	mg/Kg	ISO 20846:2011	7,6	
Distillation	°C	ASTM D86 - 16a		
65% Recovered			296,4	
85% Recovered			326,0	
95% Recovered			354,8	
F.B.P.			364,0	
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	58	
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	120	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Conductivity at 20°C	ps/m	ASTM D2624 - 15	69	
FAME content	%vol	EN 14078:2010	6,9	
CFPP	°C	UNE-EN 116:2015	-10	

The test results shown on this report affect only to the samples received in this laboratory, and not necessarily to the whole from which these samples were drawn. Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 357 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications. The samples will be kept for a period of three months.

Date of Report 20/08/2019  
Name/s Ana Belén Sánchez  
Signature/s Chief Analyst





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**ANALYTICAL REPORT**

**Job Number:** 249-3  
**O/ Ref:** 647-19-00029-3  
**Y/ Ref:** N/A  
**Grade:** GNA 98  
**Origin:** TERMINALES CANARIOS, TENERIFE  
**Label:** AMSPEC  
**Identification:** SHT 311-T0919311- m/n"STI CAMDEN"  
**Description:** Shore tank composite after discharge

**Date of reception:** 20/08/2019  
**Date Analysis started:** 20/08/2019  
**Date Analysis completed:** 20/08/2019  
**Sample Package:** 2X1L CAN  
**Sampling date:** 13/08/2019  
**Seal Nº:** N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7444	
DVPE	Kpa	EN ISO 13016-1:2008	54,1	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		35,4	
Evap at 100°C	%Vol		62,2	
Evap at 150°C	%Vol		95,2	
FBP	°C		178,1	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	4,7	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	2,6	

The test results shown on this report affect only to the samples received in this laboratory, and not necessarily to the whole from which these samples were Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Excep for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.  
The samples will be kept for a period of three months.

Date of Report 20/08/2019  
Name/s Ana Belén Sánchez  
Signature/s Chief Analyst

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## ANALYTICAL REPORT


Job Number: 249-1  
O/ Ref: 647-19-00029-1  
Y/ Ref: N/A  
Grade: GNA 95  
Origin: TERMINALES CANARIOS, TENERIFE  
Label: AMSPEC  
Identification: SHT 211-T0919211- m/n "STI CAMDEN"  
Description: Shore tank composite after discharge

Date of reception: 20/08/2019  
Date Analysis started: 20/08/2019  
Date Analysis completed: 20/08/2019  
Sample Package: 2X1L CAN  
Sampling date: 13/08/2019  
Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7300	
DVPE	Kpa	EN ISO 13016-1:2008	54,8	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		38,4	
Evap at 100°C	%Vol		66,6	
Evap at 150°C	%Vol		97,4	
FBP	°C		174,9	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	7,2	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	3,8	

The test results shown on this report affect only to the samples received in this laboratory, and not necessarily to the whole from which these samples were Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications.  
The samples will be kept for a period of three months.

Date of Report 20/08/2019  
Name/s Ana Belén Sánchez  
Signature/s Chief Analyst

  
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**ANALYTICAL REPORT-Revision 1**

**Job Number:** 249-2/R1

**O/ Ref:** 647-19-00029-2

**Y/ Ref:** N/A

**Grade:** GNA 95

**Origin:** TERMINALES CANARIOS, TENERIFE

**Label:** AMSPEC

**Identification:** SHT 212-T0719212- m/n "STI CAMDEN"

**Description:** Shore tank composite after discharge

**Date of reception:** 20/08/2019

**Date Analysis started:** 20/08/2019

**Date Analysis completed:** 20/08/2019

**Sample Package:** 2X1L CAN

**Sampling date:** 13/08/2019

**Seal Nº:** N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	0,7404	
DVPE	Kpa	EN ISO 13016-1:2008	56,0	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		32,6	
Evap at 100°C	%Vol		61,0	
Evap at 150°C	%Vol		97,0	
FBP	°C		175,3	
Residue	%Vol		1,2	
Sulphur	mg/Kg	EN ISO 20846:2011	3,3	
Lead Content	g/L	ASTM D 3237 - 17	<0,005	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Existent Gums (Washed)	mg/100ml	ASTM D 381 - 12(2017)	<1	
Total Contamination	mg/Kg	EN ISO 12662:2014	1,5	

(I) This analytical report 249-2/R1 cancel and replace the analytical report 249-2

The test results shown on this report affect only to the samples received in this laboratory, and not necessarily to the whole from which these samples were Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D3244 (Except for RFG), IP 367 and appendix E of IP standard methods for analysis and testing in respect to the utilization of test data to determine conformance with the specifications. The samples will be kept for a period of three months.

Date of Report	22/08/2019
Name/s	Ana Belén Sánchez
Signature/s	Chief Analyst

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