



Cartagena Laboratory

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CIF : B72083769

ANALYTICAL REPORT

Job Number: 199-6

O/ Ref: 647-19-00023-6

Y/ Ref: RP: JUL19/BP:N/A

Grade: GOA

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 102- T0519102-M/N "HISTRIA CROWN"

Description: SHORE TANK COMPOSITE AFTER DISCHARGE

Date of reception: 26/07/2019

Date Analysis started: 26/07/2019

Date Analysis completed: 26/07/2019

Sample Package: 2X1L CAN

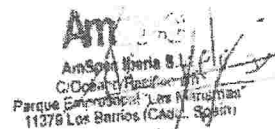
Sampling date: 23/07/2019

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	Kg/m ³	ISO 12185:1996/Cor.1:2001(E)	835,2	
Viscosity at 40°C	mm ² /s	ISO 3104:1994/Cor.1:1997(E)	2,670	
Sulphur content	mg/Kg	ISO 20846:2011	8,5	
Distillation	°C	ASTM D86 - 16a		
65% Recovered			294,5	
85% Recovered			324,9	
95% Recovered			346,3	
F.B.P.			363,9	
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	57	
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	91	
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a	
Conductivity at 20°C	ps/m	ASTM D2624 - 15	450	
FAME content	%vol	EN 14078:2010	6,9	
CFPP	°C	UNE-EN 116:2015	-9	

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 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 26/07/2019
Name/s Ana Belén Sánchez
Signature/s Chief Analyst





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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

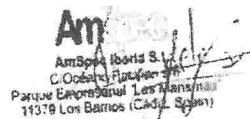
Sampling date: 13/08/2019

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 ² /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: 199-4

O/ Ref: 647-19-00023-4

Y/ Ref: RP: JUL19/BP:N/A

Grade: GNA 98

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 312-T0519312- m/n "HISTRIA CROWN"

Description: Shore tank composite after discharge

Date of reception: 19/07/2019

Date Analysis started: 19/07/2019

Date Analysis completed: 19/07/2019

Sample Package: 2X1L CAN

Sampling date: 14/07/2019

Seal N°: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	Kg/m ³	ISO 12185:1996/Cor.1:2001(E)	751,6	
DVPE	Kpa	EN ISO 13016-1:2008	50,7	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		31,3	
Evap at 100°C	%Vol		59,1	
Evap at 150°C	%Vol		94,4	
FBP	°C		183,2	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	4,2	
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	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 19/07/2019
Name/s Ana Belén Sánchez
Signature/s Chief Analyst



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ANALYTICAL REPORT

Job Number: 199-3

O/ Ref: 647-19-00023-3

Y/ Ref: RP: JUL19/BP:N/A

Grade: GNA 98

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 311-T0819311- m/n"HISTRIA CROWN"

Description: Shore tank composite after discharge

Date of reception: 19/07/2019

Date Analysis started: 19/07/2019

Date Analysis completed: 19/07/2019

Sample Package: 2X1L CAN

Sampling date: 14/07/2019

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	Kg/m ³	ISO 12185:1996/Cor.1:2001(E)	746,2	
DVPE	Kpa	EN ISO 13016-1:2008	55,2	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		35,9	
Evap at 100°C	%Vol		61,0	
Evap at 150°C	%Vol		94,1	
FBP	°C		178,6	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	1,7	
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	2,5	

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 19/07/2019
 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
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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
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ANALYTICAL REPORT

Job Number: 199-1

O/ Ref: 647-19-00023-1

Y/ Ref: RP: JUL19/BP:N/A

Grade: GNA 95

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 211-T0819211- m/n"HISTRIA CROWN"

Description: Shore tank composite after discharge

Date of reception: 19/07/2019

Date Analysis started: 19/07/2019

Date Analysis completed: 19/07/2019

Sample Package: 2X1L CAN

Sampling date: 14/07/2019

Seal N°: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	734,2	
DVPE	Kpa	EN ISO 13016-1:2008	53,2	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		34,7	
Evap at 100°C	%Vol		61,1	
Evap at 150°C	%Vol		93,7	
FBP	°C		174,4	
Residue	%Vol		1,2	
Sulphur	mg/Kg	EN ISO 20846:2011	5,7	
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	4,5	

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: 19/07/2019
Name/s: Ana Belén Sánchez
Signature/s: Chief Analyst

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ANALYTICAL REPORT

Job Number: 199-2

O/ Ref: 647-19-00023-2

Y/ Ref: RP: JUL19/BP:N/A

Grade: GNA 95

Origin: TERMINALES CANARIOS, TENERIFE

Label: AMSPEC

Identification: SHT 212-T0619212- m/n"HISTRIA CROWN"

Description: Shore tank composite after discharge

Date of reception: 19/07/2019

Date Analysis started: 19/07/2019

Date Analysis completed: 19/07/2019

Sample Package: 2X1L CAN

Sampling date: 14/07/2019

Seal Nº: N/A

Parameter	Units	Method	Result	Note
Density at 15°C	g/ml	ISO 12185:1996/Cor.1:2001(E)	742,4	
DVPE	Kpa	EN ISO 13016-1:2008	55,5	
Distillation		ASTM D86 - 16a		
Evap at 70°C	%Vol		30,9	
Evap at 100°C	%Vol		58,1	
Evap at 150°C	%Vol		94,0	
FBP	°C		172,6	
Residue	%Vol		1,0	
Sulphur	mg/Kg	EN ISO 20846:2011	2,7	
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	2,8	

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 19/07/2019
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
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