



Cartagena Laboratory

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CIF : B72083769

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 Nº: 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



Authorized by Alvaro Escolar
Laboratory Manager



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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 N°: 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	

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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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C.I.F. : A 26623633



**BUREAU
VERITAS**

ANALYTICAL REPORT

Job No: 5818-3

e/Ref: ESOJNJ19002099

Date of Reception: 25/06/2019

Date Analysis started: 25/06/2019

Date Analysis completed: 26/06/2019

Label: Bureau Veritas

Lab ID: TK 312

Sample Package: 1x1L Metal

Seal N°: 172414

Information provided by the customer, the sample owner or the taker

Grade: GNA 98

Origin: TENERIFE

Id: TK 312

Partida: T0419312

Y/Ref: -

Sampling date: 19/06/2019

Composite Sample taken after discharge MT "PARSIFAL II"

Test	Units	Method	Results	Specifications ¹	U k=2(95%)	Notes*
Density at 15°C	Kg/m ³	ASTM D 4052:18a	744,3	720-775		
RVP	Kpa	EN 13016-1:08	59,6	Max 60		
Sulphur content	mg/Kg	EN ISO 20846:04	<3,0	Max 10		
Copper corrosion		ASTM D 130:18	1 a	Class 1b		
Existent Gum (Solvent Washed)	mg/100ml	ASTM D 381:12 (R2017)	4,8	Max 5		
Distillation		ASTM D 86:18				
Recovered at 70°C	%vol		36,1	20-54		
Recovered at 100°C	%vol		61,2	46-74		
Recovered at 150°C	%vol		92,6	Min 75		
FBP	°C		178,5	Max 210		
Residue	%vol		1,4	Max 2		
Lead Content	g/L	ASTM D 3237:17	<0,0025	Max 0,005		

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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.

¹ Specifications: EN 228

Date of Report
Name/s
Signature/s

27/06/2019
Diana Riaño



Inspectorate Española, S.A. (Unipersonal)

Bureau Veritas Commodities Division

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**BUREAU
VERITAS**

ANALYTICAL REPORT

Job No: 5818-4
o/Ref: ESOJNJ19002099

Date of Reception: 25/06/2019
Date Analysis started: 25/06/2019
Date Analysis completed: 26/06/2019

Label: Bureau Veritas
Lab ID: TK 101

Sample Package: 1x1L Metal
Seal N°: 172411

Information provided by the customer, the sample owner or the taker

Grade: GO A
Origin: TENERIFE
Id: TK 101
Partida: T0419101

Y/Ref: -
Sampling date: 19/06/2019

Composite Sample taken after discharge MT "PARSIFAL II"

Test	Units	Method	Results	Specifications ¹	U k=2(95%)	Notes*
Density at 15°C	Kg/m ³	ASTM D-4052:18a	833,8	820-845		
Sulphur	mg/Kg	EN-ISO-20846:12	9,9	10 max		
Distillation		ASTM D 86:18				
65% recovered	%v/v		300,2	250 min		
85% recovered	%v/v		332,9	350 max		
95% recovered	%v/v		359,5	360 max		
Kinematic Viscosity at 40°C	mm ² /s	ASTM D 445:18	2,746	2,00-4,50		
Flash Point	°C	ASTM D93:18	57,0	Min 65		
Water content	mg/Kg	EN ISO 12937:01	65	200 max		
Copper corrosion, 3h 50°C	Class 1	ASTM D 130:18	1 a	class 1		
Fame Content	%vol	EN 14078:15	5,34	7,0 max		
C.F.P.P	°C	EN 116:15	-8	Max 0		
Conductivity at 20,0°C	pS/m	ASTM D 2624:15	58			

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The samples will be kept for a period of three months.

¹ Specifications: Spanish EN 590

Date of Report: 27/06/2019
Name/s: Diana Riaño
Signature/s:





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ANALYTICAL REPORT

Job Number: 089-1
O/ Ref: 647-19-00012-1
Clients/ Ref: RP: MAY19/BP:N/A
Grade: GASOIL A
Origin: TERMINALES CANARIOS, TENERIFE
Label: AMSPEC
Identification: SHT 102-T0419102- m/n "HISTRIA PRINCE"
Description: SHORE TANK COMPOSITE AFTER DISCHARGE

Date of reception: 27/05/2019
Date Analysis started: 27/05/2019
Date Analysis completed: 27/05/2019
Sample Package: 2 X 1L CAN
Sampling date: 21/05/2019
Seal Nº: N/A

Parameter	Units	Method	Result	Limit	Note
Density at 15°C	Kg/m ³	ISO 12185:1996/Cor.1:2001(E)	836,4		
Viscosity at 40°C	mm ² /s	ISO 3104:1994/Cor.1:1997(E)	2,849		
Sulphur content	mg/Kg	ISO 20846:2011	9,1		
Distillation	°C	ASTM D86 - 16a			
65% Recovered			301,4		
85% Recovered			333,0		
95% Recovered			358,1		
Flash point (Proced. A - Electric ignitor)	°C	ISO 2719:2002(E)	57		(I)
Water Karl Fischer	mg/Kg	ISO 12937:2000(E)	69		
Copper corrosion, 3h 50°C	Class 1	ASTM D130 - 12	1a		
Conductivity at 20°C	ps/m	ASTM D2624 - 15	26		(II)
FAME content	%vol	EN 14078:2010	5,6		
CFPP	°C	UNE-EN 116:2015	-16		

(I) 103,2 Kpa; Absolute Barometric Pressure.
(II) Test performed at 20°C

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Date of Report 27/05/2019
Name/s Ana Belén Sanchez
Signature/s Chief Analyst

AmSpec
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11378 Los Barrios (CM) Spain

Authorized by José Manuel Fernández
Technical Manager

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C.I.F. : A 28633600



**BUREAU
VERITAS**

ANALYTICAL REPORT

Job No: 5818-2
o/Ref: ESOJNJ19002099

Date of Reception: 25/06/2019
Date Analysis started: 25/06/2019
Date Analysis completed: 26/06/2019

Label: Bureau Veritas
Lab ID: TK 311

Sample Package: 1x1L Metal
Seal N°: 172415

Information provided by the customer, the sample owner or the taker

Grade: GNA 98
Origin: TENERIFE
Id: TK 311
Partida: T0719311

Y/Ref: -
Sampling date: 19/06/2019

Composite Sample taken after discharge MT "PARSIFAL II"

Test	Units	Method	Results	Specifications ¹	U k=2(95%)	Notes ^a
Density at 15°C	Kg/m ³	ASTM D 4052:18a	742,9	720-775		
RVP	Kpa	EN 13016-1:08	59,4	Max 60		
Sulphur content	mg/Kg	EN ISO 20846:04	<3,0	Max 10		
Copper corrosion		ASTM D 130:18	1 a	Class 1b		
Existent Gum (Solvent Washed)	mg/100ml	ASTM D 381:12 (R2017)	2,5	Max 5		
Distillation		ASTM D 86:18				
Recovered at 70°C	%vol		37,6	20-54		
Recovered at 100°C	%vol		62,0	46-74		
Recovered at 150°C	%vol		93,4	Min 75		
FBP	°C		174,9	Max 210		
Residue	%vol		1,0	Max 2		
Lead Content	g/L	ASTM D 3237:17	<0,0025	Max 0,005		

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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.

¹ Specifications: EN 228

Date of Report
Name/s
Signature/s

27/06/2019
Diana Riaño

Inspectorate Española, S.A. (Unipersonal)

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C.I.F. : A 28633600



**BUREAU
VERITAS**

ANALYTICAL REPORT

Job No: 5818-1
o/Ref: ESOJNJ19002099

Date of Reception: 25/06/2019
Date Analysis started: 25/06/2019
Date Analysis completed: 26/06/2019

Label: Bureau Veritas
Lab ID: TK 212

Sample Package: 1x1L Metal
Seal N°: 172413

Information provided by the customer, the sample owner or the taker

Grade: GNA 98
Origin: TENERIFE
Id: TK 212
Partida: T0519212

Y/Ref: -
Sampling date: 19/06/2019

Composite Sample taken after discharge MT "PARSIFAL III"

Test	Units	Method	Results	Specifications ¹	U k=2(95%)	Notes ²
Density at 15°C	Kg/m ³	ASTM D 4052:18a	744,5	720-775		
RVP	Kpa	EN 13016-1:08	59,1	Max 60		
Sulphur content	mg/Kg	EN ISO 20846:04	4,2	Max 10		
Copper corrosion		ASTM D 130:18	1 a	Class 1b		
Existent Gum (Solvent Washed)	mg/100ml	ASTM D 381:12 (R2017)	1,5	Max 5		
Distillation		ASTM D 86:18				
Recovered at 70°C	%vol		28,9	20-54		
Recovered at 100°C	%vol		57,1	46-74		
Recovered at 150°C	%vol		93,6	Min 75		
FBP	°C		172,4	Max 210		
Residue	%vol		1,0	Max 2		
Lead Content	g/L	ASTM D 3237:17	<0,0025	Max 0,005		

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The samples will be kept for a period of three months.

¹ Specifications: EN 228

Date of Report
Name/s
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27/06/2019
Diana Riaño



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**BUREAU
VERITAS**

ANALYTICAL REPORT

Job No: 5818
o/Ref: ESOJNJ19002099

Date of Reception: 25/06/2019
Date Analysis started: 25/06/2019
Date Analysis completed: 26/06/2019

Label: Bureau Veritas
Lab ID: TK 211

Sample Package: 1x1L Metal
Seal N°: 172412

Information provided by the customer, the sample owner or the taker

Grade: GNA 95
Origin: TENERIFE
Id: TK 211
Partida: T0719211

Y/Ref: -
Sampling date: 19/06/2019

Composite Sample taken after discharge MT "PARSIFAL III"

Test	Units	Method	Results	Specifications ¹	U k=2(95%)	Notes*
Density at 15°C	Kg/m ³	ASTM D 4052:18a	743,8	720-775		
RVP	Kpa	EN 13016-1:08	59,9	Max 60		
Sulphur content	mg/Kg	EN ISO 20846:04	4,3	Max 10		
Copper corrosion		ASTM D 130:18	1 a	Class 1b		
Existent Gum (Solvent Washed)	mg/100ml	ASTM D 381:12 (R2017)	1,5	Max 5		
Distillation		ASTM D 86:18				
Recovered at 70°C	%vol		30,1	20-54		
Recovered at 100°C	%vol		57,7	46-74		
Recovered at 150°C	%vol		94,3	Min 75		
FBP	°C		171,3	Max 210		
Residue	%vol		1,0	Max 2		
Lead Content	g/L	ASTM D 3237:17	<0,0025	Max 0,005		

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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.

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¹ Specifications: EN 228

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Name/s: Diana Riaño
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