



Attention of : Ms. J. Barreda Garcia  
Your reference : REF: TBA ; Muestra recibida TK 102 TTCC en Tenerife

Report nr : 10403/00044208.2/L/19  
Print Date : 02-12-2019 21:44

## Analysis Report

Issuer warrants that it has exercised due diligence and care with respect to the information and professional judgements embodied in this report. This report reflects only the findings at the time and place of the inspection and testing.

Issuer expressly disclaims any further indemnity of any kind. This report is not a guarantee of policy or insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.

SAMPLE		OBJECT	PRODUCT
9112541	TK 102 (Received sample) upper/ Date: 25.11.19 / REF N°: 647-19-00044/ Place: Tenerife/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After /Amspec Iberia SL	TK 102 (Received sample)	GOA
9112542	TK 102 (Received sample) middle/ Date: 25.11.19 /Place: Tenerife/REF N°: 647-19-00044/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After /Amspec Iberia SL	TK 102 (Received sample)	GOA
9112543	TK 102 (Received sample) lower/ Date: 25.11.19 /Place: Tenerife/REF N°: 647-19-00044/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After/Amspec Iberia SL	TK 102 (Received sample)	GOA



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Report Date : 02-12-2019      Sample object : TK 102 (Received sample)  
Date of issue : 02-12-2019

NAME	METHOD	UNIT	RESULT
Density at 15 °C Q	EN ISO 12185		
upper - 9112541		kg/m <sup>3</sup>	836.0
middle - 9112542		kg/m <sup>3</sup>	837.0
lower - 9112543		kg/m <sup>3</sup>	837.0
Cold Filter Plugging Point Q	EN 116		
upper - 9112541		°C	-14
middle - 9112542		°C	-16
lower - 9112543		°C	-15

*Lab comments:*

Tests with a Q are included in the scope of the accreditation

Signed by: Manuel Nuñez - Laboratory Manager  
Issued by: Saybolt España S.A.U.  
Place and date of issue: Algeciras - 02-12-2019



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Report nr : 10403/00044208.3/L/19  
Print Date : 02-12-2019 21:45

## Analysis Report

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Composite ( 9112572 )		Weight %	
SAMPLE NR	OBJECT	DESCRIPTION	RATIO
9112541	TK 102 (Received sample)	TK 102 (Received sample) upper/ Date: 25.11.19 / REF N°: 647-19-00044/ Place: Tenerife/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After /Amspec Iberia SL	
9112542	TK 102 (Received sample)	TK 102 (Received sample) middle/ Date: 25.11.19 /Place: Tenerife/REF N°: 647-19-00044/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After /Amspec Iberia SL	
9112543	TK 102 (Received sample)	TK 102 (Received sample) lower/ Date: 25.11.19 /Place: Tenerife/REF N°: 647-19-00044/Terminal : Terminales Canarias/ Object : Cielo di Gaeta /Sampling: SHT 102/Product: GoA/Operation: Discharging/Close system: Yes/Surveyor: Sara Garcia/Sample time: After/Amspec Iberia SL	



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### Analysis Report

Report number : 10403/00044208.3/L/19      Composite prep date : 02-12-2019  
Main Object : TK 102 (Received sample)      Place of sampling : Terminales Canarias  
Report Date : 02-12-2019      Date received : 02-12-2019  
Date of issue : 02-12-2019      Date completed : 02-12-2019  
Sample object : TK 102 (Received sample)      Sample number : 9112572  
Sample type : Composite  
Sample submitted as : GOA  
Marked : TK 102 single tank composite prepared from upper, middle, lower

NAME	METHOD	UNIT	RESULT
Distillation	ASTM D 86		
Initial boiling point		°C	165.8
10% Recovered		°C	203.1
50% Recovered		°C	272.3
90% Recovered		°C	334.5
95% Recovered		°C	348.6
Final boiling point		°C	359.3
Recovery		vol %	99.1
Residue		vol %	0.8
Loss		vol %	0.1
Cetane Number	ASTM D 613	-	51.9
Flash point (PM) procedure A    Q	ASTM D 93	°C	62.0
Water Karl Fischer	EN ISO 12937	mg/kg	70
Cloud Point    Q	ASTM D 2500	°C	-4

*Lab comments:*

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Signed by: Manuel Nuñez - Laboratory Manager  
Issued by: Saybolt España S.A.U.  
Place and date of issue: Algeciras - 02-12-2019