AMSPEC DE COLOMBIA S.A.S.
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ANALYSIS REPORT

Our Reference	:	AMSCO23-1490	**Client**	:	CI IMPORTEX
Product(1)	:	HYVOLT II	**Contact (s)**	:	jenny.castro@importex.com.co
Laboratory Sample Identification	:	LAB23-625 / ID 3597			
Seal Number	:	N/A	**Address**	:	Carrera 16 A No. 78 - 11 Of 501 Bogotá – Colombia
Sample Obtained by(2)	:	AMSPEC DE COLOMBIA S.A.S.			
Sample Location	:	Algranel. Cartagena. Colombia	**Client Ref.**	:	TBC
Sample Description	:	TK 11	**Sample Reception Date**	:	Nov 21, 2023
Sample Date	:	Nov 21, 2023	**Analysis Start Date**	:	Nov 21, 2023
Sampling Plan/Method	:	N/A	**Analysis Completion Date**	:	Nov 21, 2023
Sampling Performed by	:	AMSPEC DE COLOMBIA S.A.S.	**Analysis Performed at**	:	AMSPEC DE COLOMBIA S.A.S.
Sample Obtained from	:	TK 11	**Analysis Report Issue Date**	:	Nov 21, 2023

☑ **Analyzed** ☐ **Witnessed**(3) ☐ **Preliminary** ☑ **Final**

Test	Unit	Method	Specification	Result
TK 11 - ID 3597				
Viscosity @0 ºC ***	cSt	ASTM D445	max 76.0	65.2
Viscosity @40 ºC***	cSt	ASTM D445	max 12.0	9.7
Viscosity @100ºC***	cSt	ASTM D445	max 3.0	2.4
API gravity @60ºF (A)	ºAPI	ASTM D1298-12b(2017)		29.1
Relative density @15.6ºC (A)		ASTM D1298-12b(2017)		0.8811
Specific gravity @15ºC***		ASTM D4052	max 0.9100	0.8822
Flash Point **	ºC	ASTM D92-18	min 145	148
Color ASTM***		ASTM D6045	Max 0.5	0.3
Pour Point ***	ºC	ASTM D5950	max -40	-62
Interfacial Tension @25ºC (A)	dyne/cm	ASTM D971-20	min 40	46.0
Aniline Point ***	ºC	ASTM D611	min 63	80.0
Dielectric Breakdown@60Hz, Disk, typical***	kV	ASTM D877	min 30	42.0
Power factor @60Hz, 25ºC***	%	ASTM D924-15	max 0.05	0.031
Power factor@60Hz, 100ºC(A)	%	ASTM D924	max 0.30	0.070
Oxidation Stability Presseure vessel.***	min	ASTM D2112	min 195	274
Oxidation inhibitor content***	% wt	ASTM D2668	0.15 - 0.30	0.27
Corrosive sulfur***		ASTM D1275	NONCORROSIVE	NONCORROSIVE
Water content	ppm	ASTM D1533-20	max 35	15
Neutralization Number***	mg KOH/g	ASTM D974	max 0.03	0.01
PCB content***	ppm	ASTM D4059	NOT DETECTED	NOT DETECTED
Appeareance (Clear&Bright) (A)		ASTM D4176-22	pass	pass
Free water		ASTM D4176-22	pass	pass
Particulates		ASTM D4176-22	pass	pass
Dielectric Breakdown@60Hz	kV	ASTM D1816-12(2019)	min 35	38
*** End of analysis results***				

Environmental conditions of the tests: Temp: 23.2 ºC - HR: 55 % - Barometric press.: 100.7 kPa

Remarks: Lot. Number: L447261A
*** Analysis provided by Importex.
(A) Analysis provided from last quality received of shore tank

Carlos Hernàndez E.
Lab. Manager

(1) As declared by Client.
(2) Analysis report corresponds to the sample as supplied to the laboratory by: AMSPEC DE COLOMBIA S.A.S. ; which was analized upon request to verify compliance acoording to declared ; which was analized upon request to verify compliance acoording to declared specifications, without any additional responsability on behalf of the laboratory.
(3) Our responsibility in Analysis Witnessing is limited to witness that the analysis is being carried out to the correct sample and according to the previously established method. Therefore, the customer accepts that AMSPEC DE COLOMBIA S.A.S. is not responsible for the conditions of the measuring equipment, instrument or devices and that accepts the calibration data, reagents and other instruments or materials used as presented.

AMSPEC DE COLOMBIA S.A.S. does not have any liability for information provided by the client, which may affect validity of analysis results.
*Test within the scope of ISO 17025:2017 Lab. Accreditation
**Test outsourced to another laboratory
All results contained within this report correspond exclusively to the sample described.

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End of Report