

Inspection Report

(Non-negotiable)

Client: MAXUS UG (hb)

Project no.: Maxus 23001-UESP-2023-010

Inspector: Sony Zhan

Inspection location: Hai' An City, Jiangsu Province

Date of inspection: Oct. 24, 2023



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1. Background information

SGS order No.:	IN-GZ-5801-230247-7		
Coordinator:	Julia Zhu	Telephone:	+86 (0)20 2909 3407
Description of commodity			
Power Transformer, Type: SZ-10000/35, S/N: JY2309-0389; 1set			
Buyer			
MAXUS UG (hb)			
Manufacturer (Name, Address...)			
Jiangsu Yawei Transformer Co., Ltd Add: No. 265, Huanghai Avenue West, Haian Town, Haian City, Jiangsu Province, China			
Project no.	Maxus 23001-UESP-2023-010 / ORDER # 154-UCEM-1810-1201836		
Technical specification:	IEC 60076-1: 2011, IEC 60076-3: 2018, SPA between Maxus and Yawei		

2. Summary of inspections

SS inspector witnessed FAT of the transformers at Yawei according to client's requirement, IEC 60076-1: 2011 and IEC 60076-3:2018.

No.	Test Item	Inspection mode	Results (satisfactory/non conforming /pending)
1.	Applied voltage test	Witnessed	Satisfactory

3. Instrument

During the inspection, the following instrument calibration status has been checked for inspection:

No.	Name	ID No.	Measuring range	Calibrated ^{[1] [2]} (Yes/No/NA)	Certificate NO. (Optional)
1	Power frequency high voltage tester	YW-1013-3	0~250KV	Yes	Z20223-K203225

[1] Calibrated

--- "Yes" means the instrument was calibrated and now is in the period of validity.

--- "No" means the instrument should be calibrated, in fact it was never calibrated or not calibrated before the expiry date.

--- "NA" means the instrument does not need to be calibrated in the view of its function.

[2] All calibrated instruments must be provided the total pages copy of calibration certificate.



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4. Equipment /Material inspected:

(1) Parameter of power transformer (Type: SZ-10000/35):

Technical parameter			
Type specification:	SZ-10000/35	Serial Number:	JY2309-0389
Rated capacity:	10000kVA	Rated voltage Tapping range:	(35±8×1.5%)/10kV
Rated current:	164.96/ 577.35A	Rated frequency:	50 Hz
Phase :	3-phase	Vector group:	YNd11
Cooling method:	ONAN	Installation:	Outdoor
Insulation oil:	Mineral oil		
Installation altitude m.a.s.l	≤1000m		
Insulation level:	HV line terminal	LI/AC	200/80 kV
	HV neutral terminal	LI/AC	200/80kV
	LV line terminal	LI/AC	75/28kV

5. Reference documents

Item No.	Document No.	Title	Revision/date
1	2023-010	SPA between Maxus and Yawei	31 th August 2023
2	IEC 60076-1	Power transformer –Part 1: General	2011
3	IEC 60076-3	Power transformer –Part 3: Insulation levels, dielectric tests and external clearances in air	2018

6. Inspection Narrative Summation

6.1 Applied voltage test

The full test voltage was applied for 60s between all accessible of the winding under test connected together and all accessible terminals of the remaining wingding, core, frame and tank or casing of the transformer, connected to earth. No collapse of the test voltage occurs.

Tested winding	Test voltage	Test frequency	Duration time	Result
HV ~LV & Earth	80KV	50Hz	60 seconds	Pass
LV~HV& Earth	28KV	50Hz	60 seconds	Pass

Remark:

The result of applied voltage test was accord with IEC60076-3:2018.



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7. Photos



Applied voltage test for SZ-10MVA/35/10KV:
H.V.~L.V. & Earth



Applied voltage test for SZ-10MVA/35/10KV:
H.V.~L.V. & Earth



Applied voltage test for SZ-10MVA/35/10KV:
L.V.~H.V.& Earth



Applied voltage test for SZ-10MVA/35/10KV:
L.V.~H.V.& Earth

8. Time sheet

Inspector name	Date	Working Hours	Overtime Hours
Sony Zhan	October 24, 2023	8	/
Total time charged		8 h	



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Note: Both traveling time and reporting times are included.

Issued by:		Reviewed by:		Approved by:	
Title or position:	Inspector	Title or position:	Coordinator	Title or position:	Section Head
Date:	October 25, 2023	Date:	October 25, 2023	Date:	October 25, 2023

-----End of Report-----



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