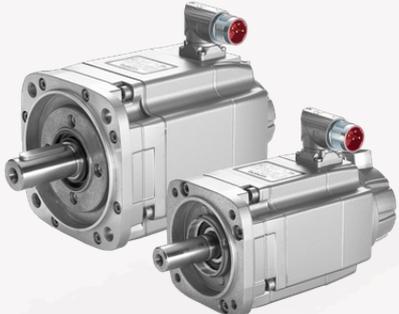


Inspection and Repair Protocol

Customer:	[REDACTED]
Part Number:	SIEMENS 1FK7105-5AF71-1UB0
Serial:	YFB6628130201001
Repair Order:	RO/04530
Product:	SERVO MOTOR
Service Done by:	[REDACTED]
Reviewed by:	[REDACTED]



Protocol Instructions

- 1.This Document must be filled out, with a blue ball_point pen, intended for document use.
- 2.Check off the completed check points with YES or NO or enter the actual measured values.
- 3.If a certain test is deemed or not Filled out, Not applicable lable is N/A or cross it out with a diagonal line.
- 4.All entries must be clear, legible and correct. all field intended for signature/ initials/ date must be completed.
- 5.All Documents must be completed in a timely manner, and only by the person who performed the actual work.
- 6.This document is considered complete and fully executed, once it is signed by the charged engineer.
- 7.Deviations and any problrms experienced, will be described in detail in the final report.
- 8.The customer is to receive the signed original of this protocol if required.

Servo Motor Inspection

	Inspection Points	Inspection Tool	Condition
1	Servo Motor front Bearing	Visual Function	Front Bearing malfunction and need to be changed.
2	Servo Motor Rear Bearing	Visual Function	Rear Bearing malfunction and need to be changed.
3	Servo Motor permanent magnet	Instrument Function	Permanent Magnet don't need to be repaired or replaced.

	Inspection Points	Inspection Tool	Condition
4	U/V Winding Resistance and isolation	Instrument Function	Motor winding fully isolated and don't need to be rewinded again.
5	V/W Winding Resistance and isolation	Instrument Function	Motor winding fully isolated and don't need to be rewinded again.
6	W/U Winding Resistance and isolation	Instrument Function	Motor winding fully isolated and don't need to be rewinded again.
7	Servo Motor earthling isolation.	Instrument Function	Motor winding fully isolated and don't need to be rewinded again.
8	Servo Motor brake functionality.	Instrument Function	Motor Brake working successfully and don't need to be replaced.
9	Motor thermal Temperature	Instrument Function	Motor Thermal sensor not damage or not integrated.
10	Sensor Motor Casing, no cracks or damage.	Function Visual Function	Motor Casing has some cracks or external damage.

Servo Motor Tests

	Test Type	Type	Results
1	KE 1000 RPM Test	Test	Test Result: Pass
2	Shaft alignment Test.	Test	Test Result: Pass
3	Break force and functionality Test.	Test	Test Result: Pass
4	Rotor balancing and vibration Test.	Test	Test Result: Pass
5	Feedback installation and alignment Test.	Test	Test Result: Pass

Confirmation

	Confirmation Aspects	YES	NO
1	All incomplete sections must be filled in.	YES	
2	The inspection and repair was done successfully.	YES	

Company Instructions

- 1.Motor Service Warranty Valid for
- 2.Warranty valid till no one has dismantled or applied any change to the repaired motor.
- 3.Motor has a unique code and corresponding report, in case you send back to us we have all motor history.
- 4.P.O. is necessary to start repairing service, and should include payment terms as per the company quotation.

About Us

EISAC Automation is an automation solutions provider and global independent supplier for PLCs , HMI , SCADA and Servo system , Founded 2009 based on Egypt to serve the industrial automation needs in Africa , Middle East and Europe in the following areas (Electronics repair service -Online/Offline Programming - Machines installation , Commissioning and startup - Automation Manpower) with demonstrated experience in pharmaceutical , Food industries and Plastics industries.

We are certified as SIEMENS system Integrator.

ISO 9001:2015 Certificated products and services.

About US

Address In EGYPT: Head office branch: 151 Ebeed st, Sahel, Road ElFarag, Cairo, Egypt

Phone Number: 0224602065 - 00201028307957 - 00201204718041

Email: repair@eisac-automation.com

Website: www.eisac-automation.com

The logo for Fluke, consisting of the word "FLUKE" in a bold, black, sans-serif font with a registered trademark symbol (®) to its right, all contained within a yellow rectangular background.

EISAC AUTOMATION

SERVO MOTOR REPAIR CENTER

Date: SEP. 2025

Author: EISAC SERVO LAB



Summary:

In EISAC AUTOMATION servo repair center, a Fluke insulation tester, also known as a megohm meter or megger, is used to assess the integrity of the insulation in servo motors and associated components.

This TEST helps identify potential problems like insulation degradation, short circuits, or ground faults, which can lead to motor failure or safety hazards.

The tester applies a high voltage to the insulation and measures the resistance, indicating whether the insulation is adequate or compromised.

This allows for preventative maintenance, troubleshooting, and ensuring the reliable operation of servo systems.

Servo Repair L

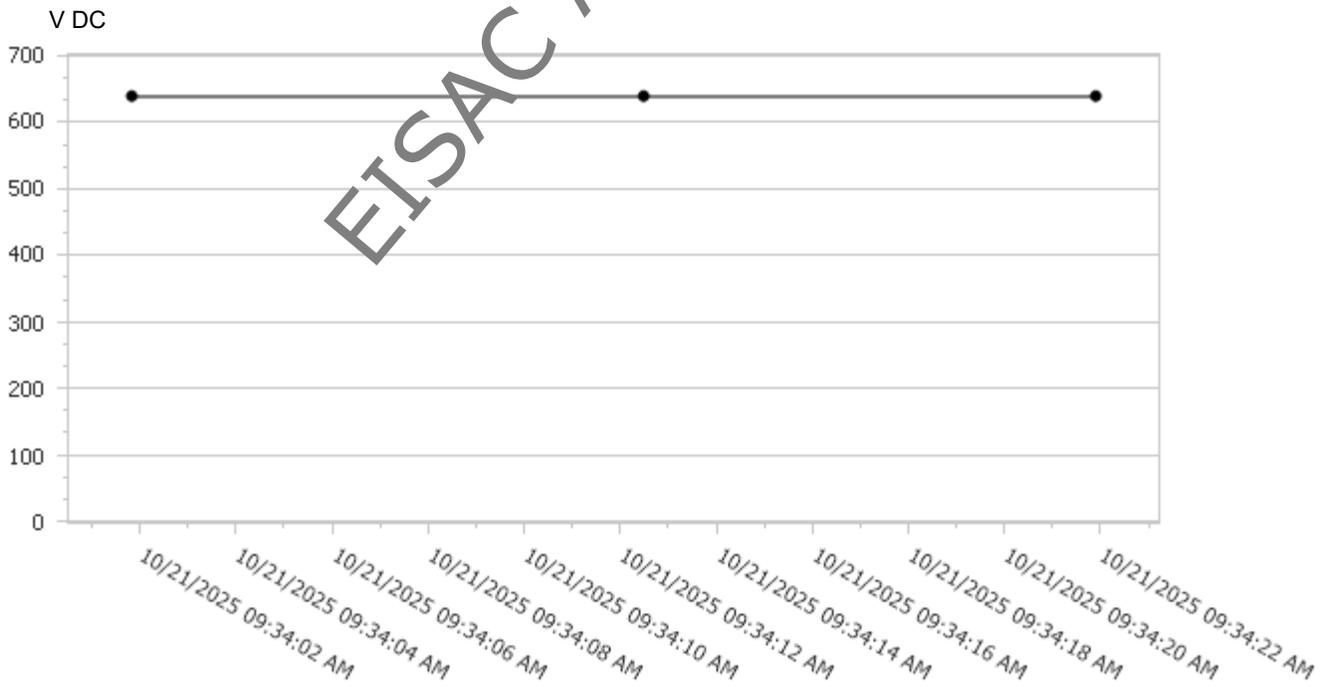
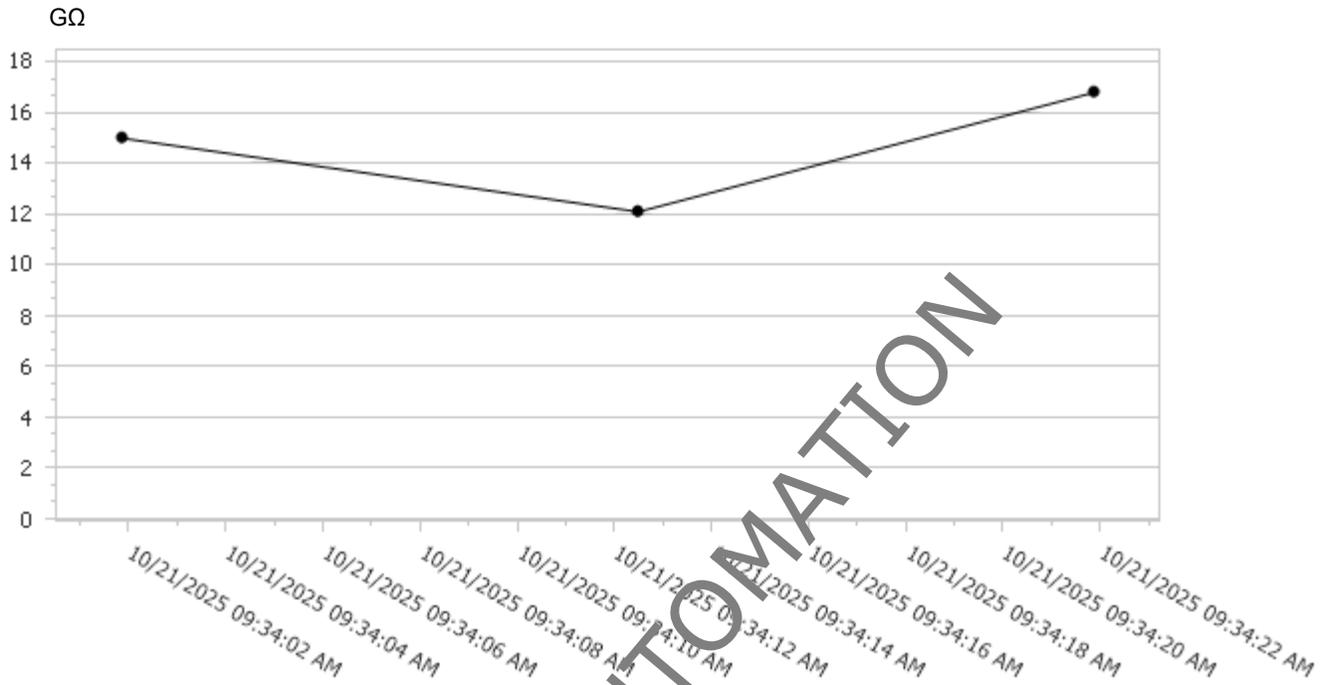
Test Details

Test Description	Fluke Megger Test.	Rated Power	500 V DC.
Date	10/21/2025	Serial Number	-----
Time	09:34:44 AM	Instrument Model	Fluke 1550C Tester.
Site/Location	Servo repair LAB.	Calibration Date	DD/MM/YYYY
Reason for Testing	Motor Refurbishment.	Engineer Name	Repair team.
Asset Name	Fluke Megger Test.	Order Number	14063-----

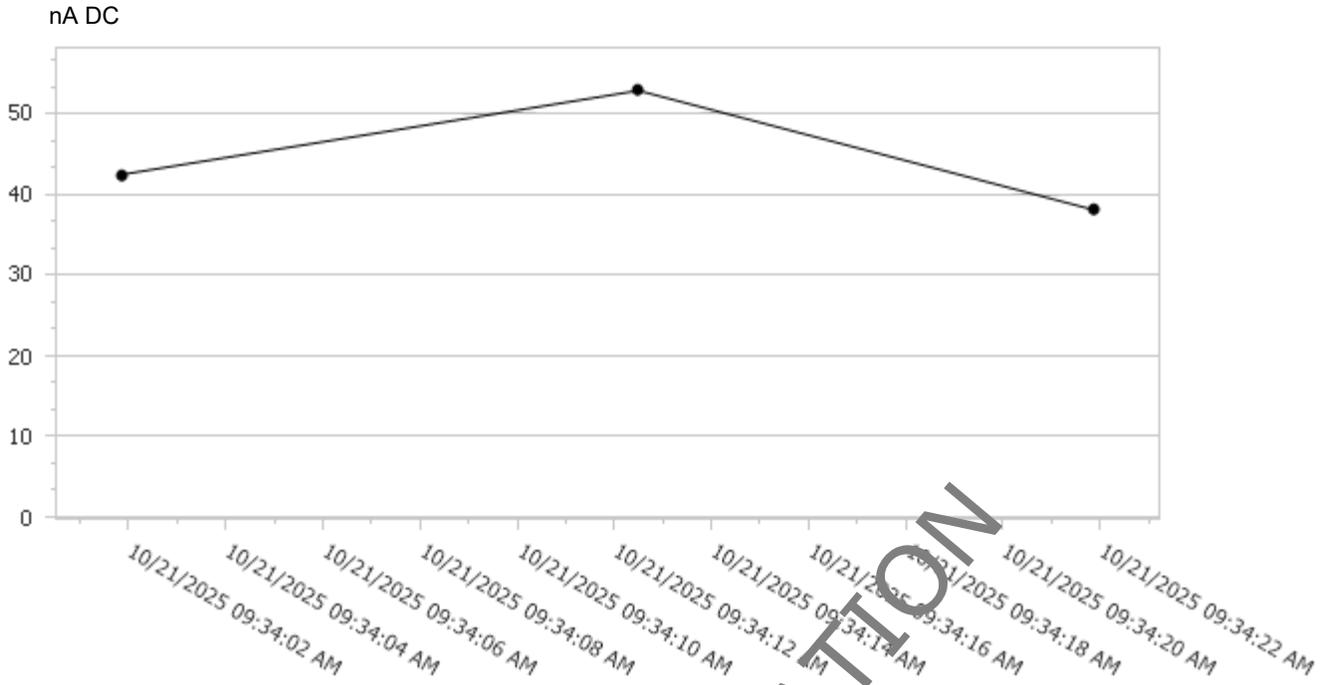
Environmental Details

Ambient Temp	25 Celsius.	Humidity	38%
Temperature Compensation	6 Celsius.	Environmental Conditions	Ideal
Dew Point	25 Celsius.	Cable Type	Fluke double isolation.

Insulation Spot Test



SERVO MOTOR FLUKE MEGGER INSULATION TEST



EISAC AUTOMATION

Test Results

Description	Test tag	Results			Test Duration	Calculated Results		Test Conditions			Test Ended
		Ohms	V DC	A DC		Capacit.	PIDAR	Voltage	Ramp	Time Limit	
	08	12.10 G Ω	639.00 V DC	52.90 n A DC	00:00:16	0.01 μ F		600	Off	00:00:00	User Stop
	07	15.00 G Ω	639.00 V DC	42.50 n A DC	00:00:15	0.01 μ F		600	Off	00:00:00	User Stop
	09	16.80 G Ω	639.00 V DC	38.10 n A DC	00:00:16	0.01 μ F		600	Off	00:00:00	User Stop

EISAC AUTOMATION

Notes

Summary:

Test summary show the conformity of the winding insulation test results.

-U / Protection Earth --> Test Pass.

-V / Protection Earth --> Test Pass.

-W / Protection Earth --> Test Pass.

EISAC AUTOMATION
SERVO REPAIR ENGINEER

Signature...

Repair team.