

Al-Khobar Electric

Industrial Maintenance/ Motor-Pump Repair/HVAC

Tel: +966533538166 / +966508814473

www.alkhobarelectric.com



Motor/Pump Report

تقرير فحص

No. 06397

Form # 1.2

Client: SAMPLE CUSTOMER اسم العميل	Date: 08-3-2025 التاريخ
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Machine Details بيانات الوحدة		
KW: 45 KW	Speed: 1750	SL No: 1511793
Op Voltage: 380	Phase: 3	Job Card # C19925
Scope of Work:		
☒ Inspection	☒ Rewind	☒ Bearings
☒ Other repairs		

قياسات الوحدة Tests

Ampere Reading Across Phases ☒ NL ☐ W/L

Description	Reading (Amp) HS
Phase1	20.4
Phase 2	20.3
Phase 3	20.3

Bearing Temp

DE Bearing Temp	NDE Bearing Temp
Test Time: 30 mnts	Test Time: 30 mnts
Temperature: 42.3	Temperature: 39.4

Phase to Phase Insulation Test Readings

Description	Insulation Test Reading
U1 to V1	20.1 GOhms
U1 to W2	20.1 GOhms
V1 to W2	20.1 GOhms

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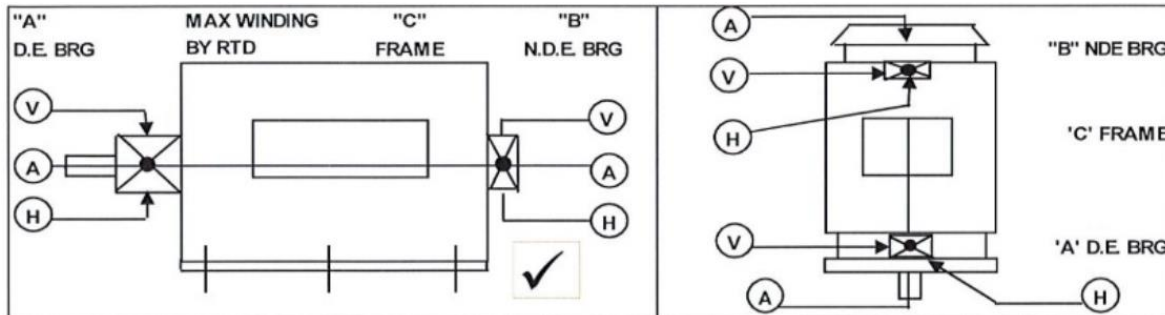
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Vibration / Balance Test



Pick up Position		mm/s
DE	V	0.4
DE	H	0.2
DE	A	0.4
NDE	V	0.5
NDE	H	0.2
NDE	A	0.6
Final Test Result: Pass		

Technician: M.Sami

Date: 08/03/2025

Test report

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Serial number tester	18689 MotorAnalyzer 2 AC-motor 3-phase 400 V
Software version testing device	SF2.110 HF4 SM2.57 HM6 SC17 HC8 HR6
Serial number DUT	C19925
Total result	GO
Test date	08 March 2025 13:42:23

Order data

Job number/ID number	C19925
Customer	SAMPLE CUSTOMER
Location	
Notes	

Summary

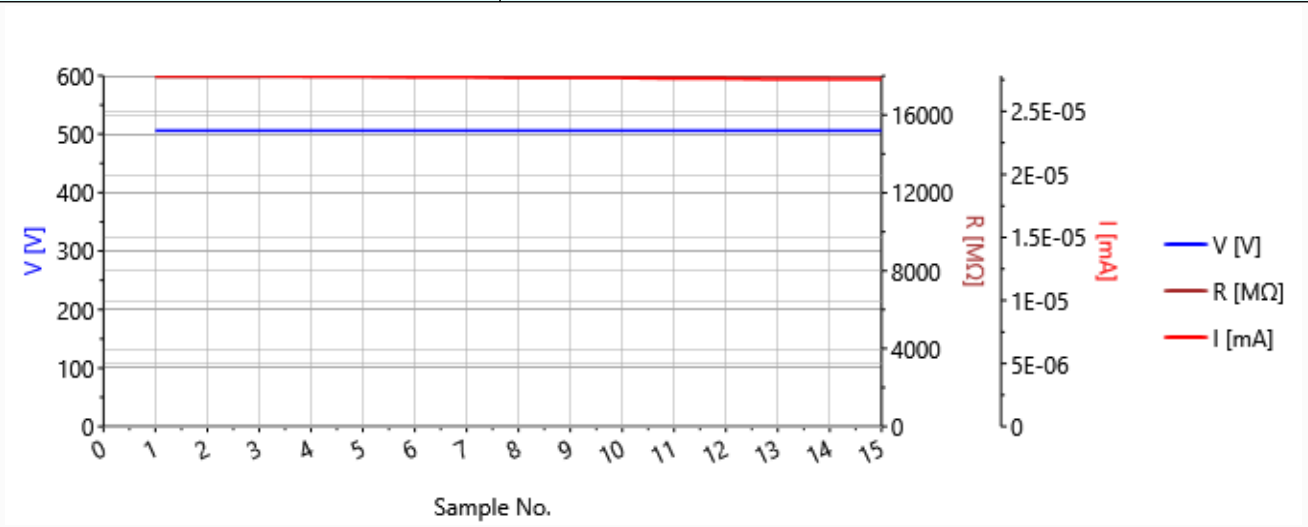
Resistance test 1-2	76.657 mΩ	GO
Resistance test 3-1	76.499 mΩ	GO
Resistance test 2-3	76.450 mΩ	GO
Resistance test deviation	0.2 %	GO
Insulation resistance Step voltage	18.016 GΩ	GO
Surge voltage peak-to-peak 1-2	3.02 %	GO
Surge voltage peak-to-peak 2-3	2.92 %	GO
Surge voltage peak-to-peak 3-1	3.17 %	GO

Details

Test step	Test condition	Actual Value	GO range	Actual Value	Test time	
Resistance test 1-2	26.0 °C	20.0 °C	0 ... ∞	76.657 mΩ	11.0 s	GO
Resistance test 3-1	26.0 °C	20.0 °C	0 ... ∞	76.499 mΩ	11.0 s	GO
Resistance test 2-3	26.0 °C	20.0 °C	0 ... ∞	76.450 mΩ	11.0 s	GO
Resistance test deviation	26.0 °C	20.0 °C	0 ... 3.0 %	0.2 %	11.0 s	GO

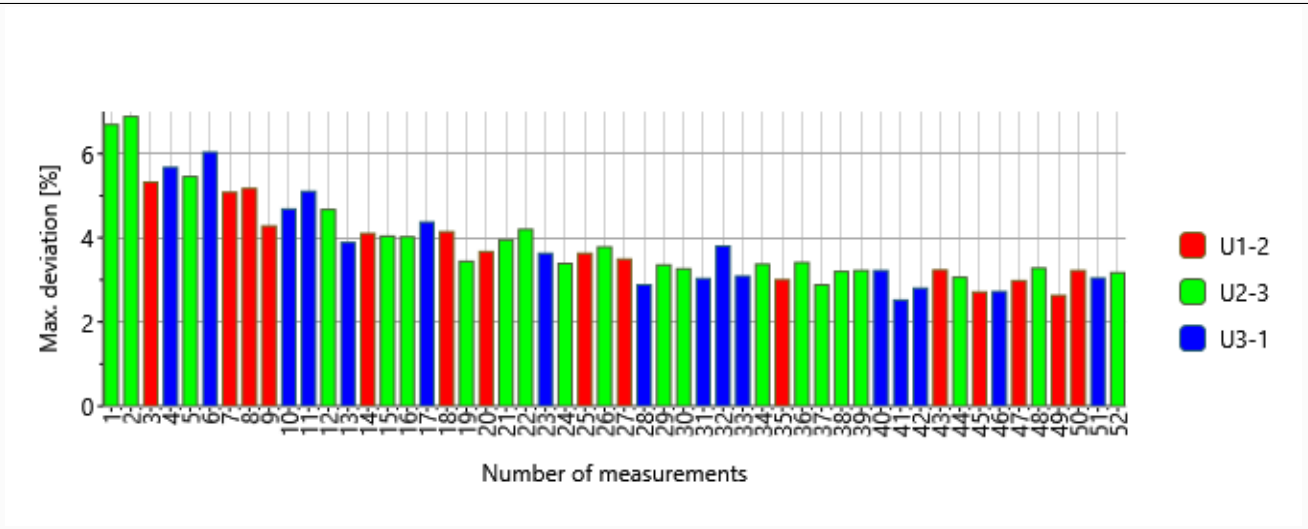
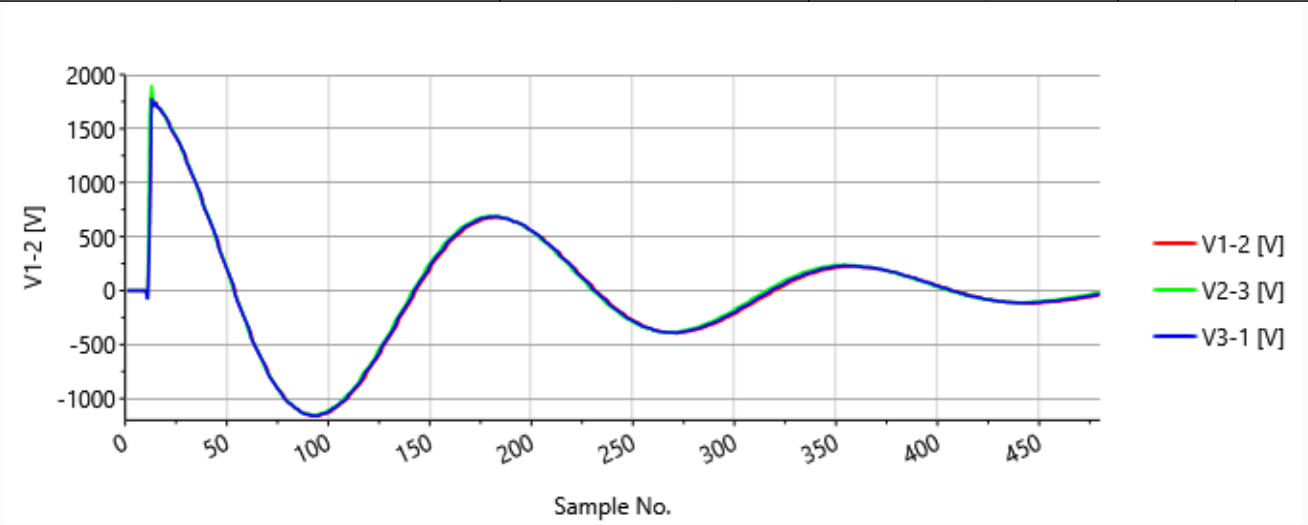
Details

Test step	Test condition	Actual Value	GO range	Actual Value	Test time	
Insulation resistance Step voltage	500 V	506 V	2 MΩ ... ∞	18.016 GΩ	01:02 m	GO
Temp.=20.0°C / Humidity=40% / Temperaturecompensation:OFF						



Surge voltage peak-to-peak 1-2	1800 V	1792 V	0 ... 20.00 %	3.02 %	02:18 m	GO
Surge voltage peak-to-peak 2-3	1800 V	1905 V	0 ... 20.00 %	2.92 %	02:18 m	GO

Test step	Test condition	Actual Value	GO range	Actual Value	Test time	
Surge voltage peak-to-peak 3-1	1800 V	1781 V	0 ... 20.00 %	3.17 %	02:18 m	GO





Report Of Dynamic Balancing Test

No. 000002478

Type rotor c19925

Mass(kg) 84

Rotor 1750

R1= 92.00 mm

R2= 92.00 mm

Qualificatory Criterion

The rotor balance grade is G2.5

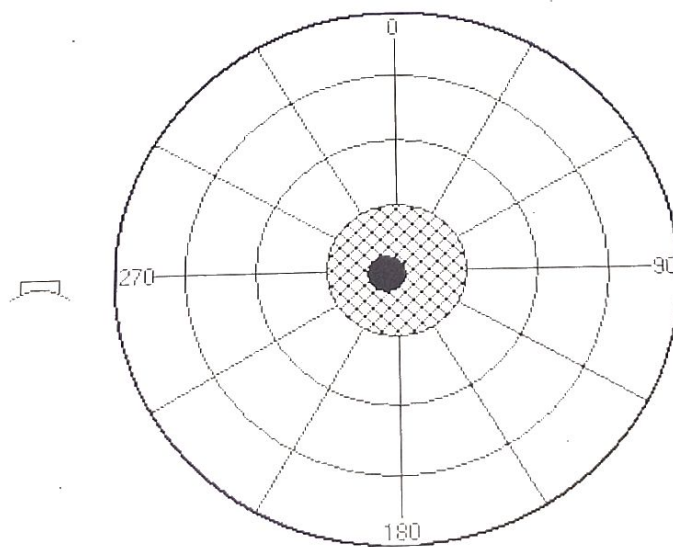
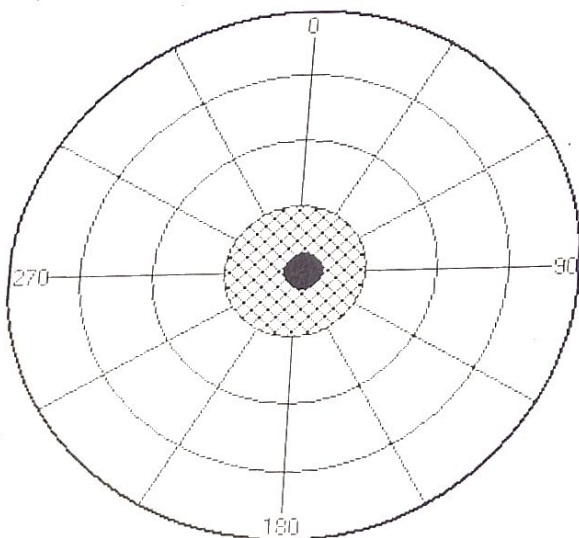
Permissible Unbalance Amount Of Left Plane = 6.23 g

Permissible Unbalance Amount Of Right Plane= 6.23 g

Static Permissible Unbalance Amount = 12.46 g

Testing Data

	Rev	LeftMass	LeftPhase	RightMass	RightPhas	StaticMass	StaticPhase
	r/min1	(g)	(deg)	(g)	(deg)	(g)	(deg)
Measuring data	501	0.78	95	0.86	251	0.35	185



Result

Qualified

2025/3/1 13:24:06

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