Job Information

Job #:	95144		Date:	January 21, 2019
Priority:	—	Authorized OT: Yes	Authorized by:	

Customer Information

Name:	Afco Steel	Motor#:	

Name Plate Information

Manufacturer:	BALDOR	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	100 hp
Serial#:	C0204305070	Model#:	16g089w414h2	Service Factor:	
Frame:	404tsc	Rated RPM:	1780	Rated Voltage:	230/460
Phase:	3	Rated Amps:	238/119	Cycles:	60
Special design:	No				

AC Electrical Inspection

Megs at reassembly:	Good	Surge at reassembly:	Good	Hi-pot reassembly:	Good

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Outgoing	97.97	98.05	98.85	0.8

Test Run Inspection

Date   January 21, 2019

Yes   I have merged this motor and verified that all electrical tests are complete!

Power Supply

	Phase A	Phase B	Phase C
No Load Voltage	460	457	459
No Load Current	29.6	27.9	27.8

Temperatures: (Degrees Fahrenheit)

Test run ball-bearing motors for 15 minutes.

Test run sleeve bearing motors for 60 minutes.

Temperature rise at the end of test run should be less than 2° every five minutes.

WEST TENNESSEE
7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

Test Run Inspection (Continued)

Ambient Temp: 73

TIME	DE	Degree Change	ODE	Degree Change
START:	73		73	
5 MIN:				
10 MIN:				
15 MIN:	78		78	
20 MIN:				
25 MIN:				
30 MIN:				
35 MIN:				
40 MIN:				
45 MIN:				
50 MIN:				
55 MIN:				
60 MIN:				

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Test Run Inspection (Continued)

Vibration Data: In./Sec-Peak   **(Readings should be less than .08 In/Sec Peak)**

	Horizontal	VDE	Axial
DE	0.1	0.1	0.1
ODE	0.1	0.1	0.1

Magnetic Center Measurements   **(Only Applies to Sleeve Bearing Motors)**

Magnetic Center line distance from shaft shoulder

Magnetic Center line distance from all the way out mark

Magnetic Center line distance from all the way in mark

Total Motor End Float

Additional photos

☐   Yes, the shaft has been isolated for delivery.

Service Tech name: Trevor Hall

Service Tech signature:

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