Job Information

Job #:	135875			Date:	April 10, 2018
Priority:	2	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Central Arkansas Water	Motor#:	

Name Plate Information

Manufacturer:	Siemens Allis	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	2250
Serial#:	47743	Model#:		Service Factor:	1.15
Frame:		Rated RPM:	900	Rated Voltage:	4160
Phase:	3	Rated Amps:	240	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	0.090940	0.090880	0.090980	0.1

Test Run Inspection

Date April 10, 2018

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	574.4	580.9	577.8
No Load Current	76.63	80.22	82.15

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.

Test Run Inspection (Continued)

Ambient Temp: 61

TIME	DE	Degree Change	ODE	Degree Change
START:	61	0	61	0
5 MIN:	62	1	68	7
10 MIN:	65	4	78	17
15 MIN:	66	5	85	24
20 MIN:	66	5	89	28
25 MIN:	68	7	91	30
30 MIN:	76	15	97	36
35 MIN:	77	16	113	42
40 MIN:	77	16	114	43
45 MIN:	78	17	116	45
50 MIN:	78	17	116	45
55 MIN:	79	18	117	46
60 MIN:	80	19	118	47

Test Run Inspection (Continued)

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

	Horizontal	VDE	Axial
DE	0.026	0.029	0.014
ODE	0.028	0.032	0.016

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: Marc Pilgrim

Service Tech signature: