

CALAMBA ALLIED INDUSTRIAL CORPORATION

MOTOR TEST REPORT

BRAND/NAME : Pump Motor ABB

TAG ID: 17813

H.P. N/A

K.W. 4

AMP: 14.7-8.15-7.04

RPM: 3490

VOLTS: 440

PHASE: 3

HZ: 60

SR#

A. BEFORE RECONDITION

DATE: 2021-02-08

A1.	WINDING RESISTANCE TEST (OHMS)		INSULATION RESISTANCE TEST (MEGA-OHMS)					TESTING W/O LOAD (AMPS.)	TESTING WITH LOAD (AMPS.)																															
			TIME	T-G @500V	T-G @1000V	T-G @2000V																																		
	T1-T2/Pri	0	30 SECONDS					L1	L1																															
	T1-T3/Sec	0	1 MINUTE		0 M ohm			L2	L2																															
	T2-T3	0	10 MINUTES		0 M ohm			L3	L3																															
	REMARKS	FAILED	Polarization Index	0				L4	L4																															
WINDING TEMP.			C°		ABM. TEMP.	C°	L5	L5																																
REMARKS: FAILED					L6	L6																																		
A2.	HIGH POTENTIAL TEST (MICRO-AMPS)				TESTING W/O LOAD (AMPS.)																																			
		T-G@500V	T-G@1000V	T-G@1500V	T-G@2000V		Pri. (Volts)	Sec. (Volts)	Pri. (Amps)	Sec (Amps.)																														
	T1	NaN	NaN			L1																																		
	T2	NaN	NaN			L2																																		
	T3	NaN	NaN			L3																																		
	REMARKS	FAILED																																						
A3.	SURGE TEST/COMPARISON TEST:					VOLTAGE INPUT: 1500																																		
<div><div>PHASE</div><div><div>1-2</div><div>1-3</div><div>2-3</div></div><table><tr><td></td><td></td><td></td></tr><tr><td>x</td><td>x</td><td>x</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table><div>TURN TO TURN SHORT COIL TO COIL SHORT REVERSED COIL CONNECTION OPEN COIL CONNECTION ARCING BETWEEN THE WINDINGS OR PHASES</div></div>									x	x	x										<div><div>PHASE</div><div><div>1-2</div><div>1-3</div><div>2-3</div></div><table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table><div>COMPLETE GROUND PARTIAL GROUND PHASE TO PHASE SHORT GOOD WINDING</div><div>--> For Rewind</div><div>For Recon</div></div>																			
x	x	x																																						
RECOMMENDATION:																																								
NOTE:																																								
B. AFTER RECONDITION/REWINDING						DATE: 2021-02-08																																		
B1.	WINDING RESISTANCE TEST (OHMS)		INSULATION RESISTANCE TEST (MEGA-OHMS)					TESTING W/O LOAD (AMPS.)	TESTING WITH LOAD (AMPS.)																															
			TIME	T-G @500V	T-G @1000V	T-G @2000V																																		
	T1-T2/Pri	3.5	30 SECONDS					L1 - 2.1	L1 - -																															
	T1-T3/Sec	3.5	1 MINUTE		210 M ohm			L2 - 1.9	L2 - -																															
	T2-T3	3.5	10 MINUTES		221 M ohm			L3 - 1.9	L3 - -																															
	REMARKS	PASSED	Polarization Index	1.03				L4	L4																															
WINDING TEMP.			C°		ABM. TEMP.	C°	L5	L5																																
REMARKS: PASSED					L6	L6																																		
B2.	HIGH POTENTIAL TEST (MICRO-AMPS)				TESTING W/O LOAD (AMPS.)																																			
		T-G@500V	T-G@1000V	T-G@1500V	T-G@2000V		Pri. (Volts)	Sec. (Volts)	Pri. (Amps)	Sec (Amps.)																														
	T1		60			L1																																		
	T2		60			L2																																		
	T3		60			L3																																		
	REMARKS	PASSED																																						
B3.	SURGE TEST/COMPARISON TEST:					VOLTAGE INPUT: 1500																																		
<div><div>PHASE</div><div><div>1-2</div><div>1-3</div><div>2-3</div></div><table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table><div>TURN TO TURN SHORT COIL TO COIL SHORT REVERSED COIL CONNECTION OPEN COIL CONNECTION ARCING BETWEEN THE WINDINGS OR PHASES</div></div>																					<div><div>PHASE</div><div><div>1-2</div><div>1-3</div><div>2-3</div></div><table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>x</td><td>x</td><td>x</td></tr><tr><td></td><td></td><td></td></tr></table><div>COMPLETE GROUND PARTIAL GROUND PHASE TO PHASE SHORT GOOD WINDING</div></div>														x	x	x			
x	x	x																																						
RECOMMENDATION:			READY FOR DELIVERY, INSTALLATION AND TEST LOAD																																					
NOTE:																																								
TESTED BY:			RECEIVED BY:			CERTIFIED BY:																																		
						Walter A. Opulencia																																		