Electrical Equipment Company

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MCE Case Study

Customer: International Paper, Eastover Mill

Asset: 75 HP AC Induction Motor (Critical Pump Application)

Scope: Critical motor evaluated with Baker AWA Tester during 2012 fall outage

Findings: Test data recoded 10/1/12 indicated low insulation resistance & excessive leakage current. Investigation of motor connections in motor connection box revealed damaged cable insulation Test data recorded 10/2/12 (post repairs) confirm successful repair and motor safe for operation.

Results Summary		Test Date/Time 10/1/2012 2:29:11 PM	
Test ID:	IP 480V < 100 HP StepV	Repair/Job #	
Tested By		Tested For	
Room #		MCC	
Location	2 Paper Machine-452	Legacy #	472005008
Temp Status	Tested	PI Status	PASS
Temp	35.0°C 95.0°F	Volts (V)	500
Resist Status	PASS	DA Ratio	1.0
L1-L2 (Ohms)	0.0755 Corr: 0.0727	PI Ratio	DA Only
L2-L3 (Ohms)	0.0755 Corr: 0.0727	Step-Voltage	PASS
L3-L1 (Ohms)	0.0755 Corr: 0.0727	Volts (V)	2000
Max Delta R %	0.005	I(µA)	0.15
Coil 1 (Ohms)	0.0378 Corr: 0.0364	Resist (Mohm)	13429 At 40°C 9495
Coil 2 (Ohms)	0.0378 Corr: 0.0364	Surge Status	PASS
Coil 3 (Ohms)	0.0378 Corr: 0.0364	Peak Volt(V) L1	2020
Megohm Status	OVER CURRENT	Peak Volt(V) L2	2020
Volts (V)	90	Peak Volt(V) L3	2020
I(µA)	930.00	Max P-P EAR(%)	1.6/1.8/1.8
Resist (Mohm)	0	EAR 1-2/2-3/3-1(%)	No Test