

DYNAMIC MOTOR ANALYSIS

Compiled Report

Performed by: SEAN MATTHEW EMMANUEL S. MAPESOS
Employee No: 40001319

AUGUST 26, 2025

DUST COLLECTOR MCB

SUMMARY REPORT										
MACHINE DESCRIPTION		DATE TESTED	ACTIVITY DETAILS		DEPT.	SECT./ AREA	DYNAMIC MOTOR TEST RESULT	CBM NOTES		
MACHINE NAME	CBM ID		TYPE	PM SCHEDULE				FINDINGS	RECOMMENDATION	NOTIFICATION
DUST COLLECTOR MCB	-	AUGUST 27, 2025	-	-	FACILITIES	MCB	Normal No observable problem	No Observable Problem during the time of testing	No immediate action required.	-

REMARKS:

No remarkable machine to be highlighted on the time of testing.

NOTES:

CBM DYNAMIC MOTOR TEST NOTES	NORMAL	WARNING
VOLTAGE LEVEL [UNDER]	<u>Under voltage</u> observed, Low <u>Load</u>	<u>Under voltage</u> observed, Current and or Motor Load at $\geq 100\%$
VOLTAGE UNBALANCE	Voltage Unbalance observed, <u>No line exceeds current limit and Motor on nominal temp.</u>	Voltage unbalance observed <u>1 or more power line exceeds current limit and Motor High Temp.</u>
CURRENT UNBALANCE	Current Unbalance observed, <u>No line exceeds current limit and Motor on Nominal temp.</u>	Current Unbalance observed <u>1 or more power line exceeds current limit and Motor High Temp.</u>
TOTAL HARMONIC DISTORTION [THD%]	Are normally present on motors being controlled by <u>VFDs (Variable Frequency Drive)</u>	If detected on <u>Direct Online or Wye-Delta Motor Controls</u>
TOTAL DISTORTION		

DYNAMIC MOTOR ANALYSIS

Compiled Report

Performed by: SEAN MATTHEW EMMANUEL S. MAPESOS
Employee No: 40001319

AUGUST 26, 2025

DUST COLLECTOR MCB

Alarm Level: **Normal**

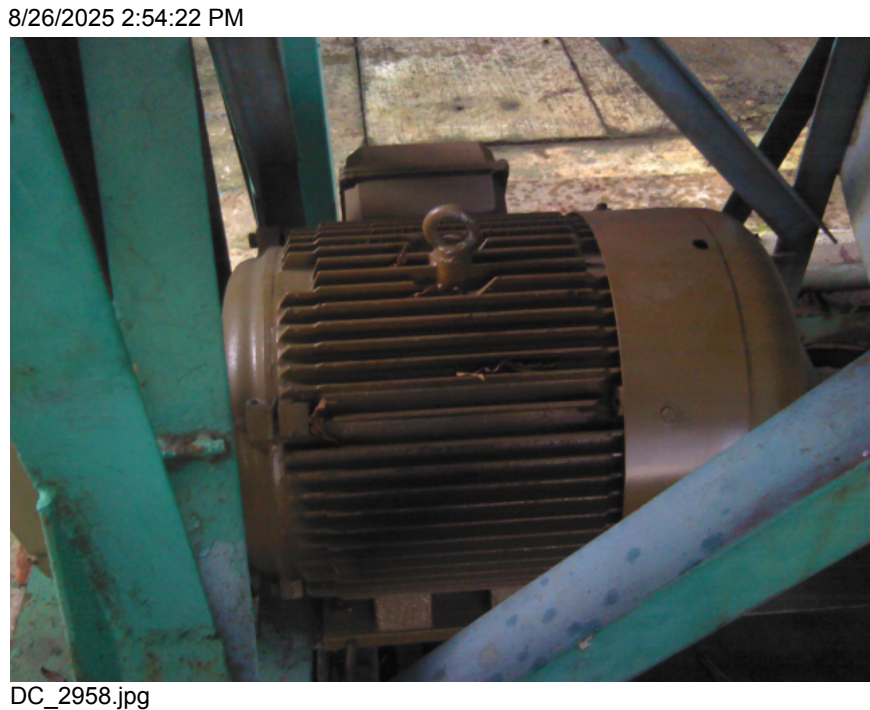
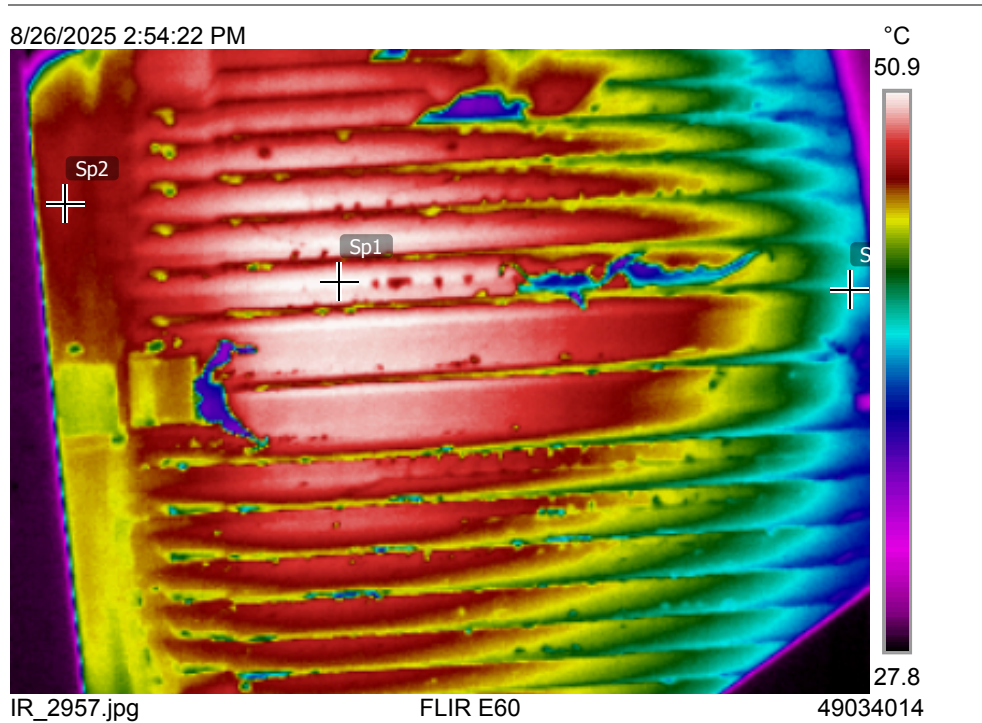
	Name Plate	Measured
Output Power [hp]	75.00	26.15
Speed [RPM]	1785	1791.59
RMS [V]	460	436.40
RMS [A]	85.50	38.59
Torque [[ft-lb]]	220.78	76.70
Efficiency	N/A	94.92
Percent Load	100	34.87

Test	Value	Status	Caut. Level	Warn. Level
Voltage Level (Over) [%]	94.87	Good	110.00	120.00
Voltage Level (Under) [%]	94.87	Caution	95.00	90.00
Voltage Unbalance [%]	0.72	Good	2.00	3.50
THD [% of fund.]	1.29	Good	7.00	9.00
Total Distortion [% of fund.]	1.19	Good	10.00	12.00
Current Level [%]	47.11	Good	110.00	120.00
Current Unbalance [%]	8.48	Good	10.00	20.00
Load [%]	34.87	Good	110.00	125.00

DYNAMIC MOTOR ANALYSIS

Compiled Report

Measurements	
Sp1	51.2 °C
Sp2	48.0 °C
Sp3	41.1 °C
Parameters	
Emissivity	0.95
Refl. temp.	20 °C
Distance	3.3 ft
Atmospheric temp.	20 °C
Ext. optics temp.	20 °C
Ext. optics trans.	1
Relative humidity	50 %
Note	
Facilities - Dust Collector MCB	



Text annotations	
Components	Motor Body / DE / NDE
Remarks	NORMAL