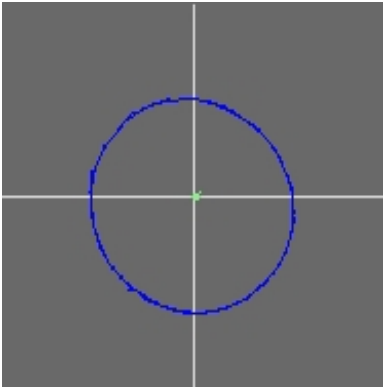## Service Monitoring Tools - Calibration Report
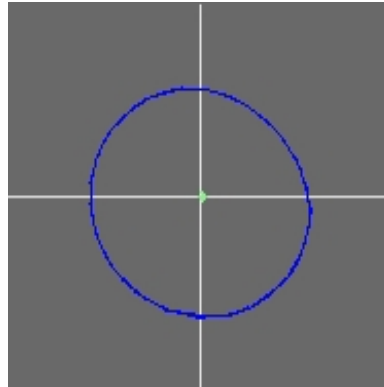
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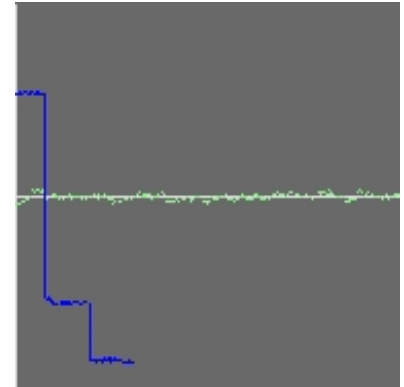| BMCC Serial #	42912-42003-0	Housing #	1-1-160
Compressor Part #	196233	Configuration Rev.	248
BMC Version	2.02.2838	CC Version	3.00.0
Access Level	OEM		

Front Radial Offset

Rear Radial Offset

Axial Dislpacement

Stored Calibration (17/02/2015 14:50:44)

	Gain	Software Offset	Hardware Offset	Offset Min	Offset Max
Front Radial X	1.82	-0.01 VDC	0.14 VDC	-0.91 VDC	0.90 VDC
Front Radial Y	1.70	0.00 VDC	0.17 VDC	-0.97 VDC	0.97 VDC
Rear Radial X	1.68	-0.02 VDC	-0.25 VDC	-1.00 VDC	0.96 VDC
Rear Radial Y	1.71	0.00 VDC	-0.15 VDC	-0.96 VDC	0.97 VDC
Axial	1.74	-0.01 VDC	0.11 VDC	-0.96 VDC	0.94 VDC

Latest Calibration (19/02/2015 12:26:24)

	Gain	Software Offset	Hardware Offset	Offset Min	Offset Max
Front Radial X	1.88	-0.03 VDC	0.03 VDC	-0.91 VDC	0.85 VDC
Front Radial Y	1.72	-0.04 VDC	-0.04 VDC	-1.00 VDC	0.92 VDC
Rear Radial X	1.75	-0.01 VDC	-0.34 VDC	-0.96 VDC	0.93 VDC
Rear Radial Y	1.62	-0.02 VDC	-0.25 VDC	-1.04 VDC	1.00 VDC
Axial	1.76	0.00 VDC	0.07 VDC	-0.94 VDC	0.93 VDC

Comments

- 2015-02-19 12.26.23: Calibration Started
- 2015-02-19 12.27.28: Calibration Complete
- 2015-02-19 12.27.28: Calibration Complete
- 2015-02-19 12.27.36: Validating
- 2015-02-19 12.27.50: Validation Complete

Validation Results (2015-02-19 12.27.36)

Service Monitoring Tools - Calibration Report

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Result	Test Description
Good	Comparison (Stored vs. Latest): Axial Gain (actual difference = 1%; max = 30%)
Good	Comparison (Stored vs. Latest): Front Radial X Gain (actual difference = 3%; max = 30%)
Good	Comparison (Stored vs. Latest): Front Radial Y Gain (actual difference = 1%; max = 30%)
Good	Comparison (Stored vs. Latest): Rear Radial X Gain (actual difference = 4%; max = 30%)
Good	Comparison (Stored vs. Latest): Rear Radial Y Gain (actual difference = 5%; max = 30%)
Good	Axial total offset change(Software change-Hardware change) (actual = 0.05639648 VDC; max = 0.6 VDC; min = -0.6 VDC)
Good	Front Radial X total offset change(Software change-Hardware change) (actual = 0.08701172 VDC; max = 0.88 VDC; min = -0.88 VDC)
Good	Front Radial Y total offset change(Software change-Hardware change) (actual = 0.1595215 VDC; max = 0.88 VDC; min = -0.88 VDC)
Good	Rear Radial X total offset change(Software change-Hardware change) (actual = 0.09667969 VDC; max = 0.88 VDC; min = -0.88 VDC)
Good	Rear Radial Y total offset change(Software change-Hardware change) (actual = 0.07250977 VDC; max = 0.88 VDC; min = -0.88 VDC)
Good	Mean Front Radial X Force Current (actual = -0.04507798 A; max = 1.5 A; min = -1.5 A)
Good	Mean Front Radial Y Force Current (actual = 0.1260846 A; max = 1.5 A; min = -1.5 A)
Good	Mean Front Radial Average Displacement (actual = 7; max = 75)
Good	Mean Front Radial Average Displacement (actual = 28; max = 100)
Good	Mean Rear Radial X Force Current (actual = -0.03360455 A; max = 1.5 A; min = -1.5 A)
Good	Mean Rear Radial Y Force Current (actual = 0.1060016 A; max = 1.5 A; min = -1.5 A)
Good	Mean Rear Radial Average Displacement (actual = 0; max = 75)
Good	Peak Rear Radial Average Displacement (actual = 0; max = 100)
Good	Mean Axial Displacement Current (actual = -0.2259827 A; max = 2 A; min = -2 A)

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