

# F9CLA

## Wear Testing

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APRIL 22, 2021

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AstroTurf Corporation  
Performance, Research and Development Lab



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# F9CLA

## Wear Testing – JE108 Tester

April 22<sup>nd</sup>, 2022

### Project Information:

On April 19<sup>th</sup>, 2022 the AstroTurf Performance Testing Lab began wear testing on F9CLA. Specifically, a test was performed on the JE-108 Machine for long-term wear of the system. The system was composed of a F9CLA. A total of 2,500 cycles were ran on the machine with macro, magnified and micro pictures taken initially, and after each 500 cycles. The study was performed to test for quality standards and performance.

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**Testing Completed and Reported By: Chase Cloer  
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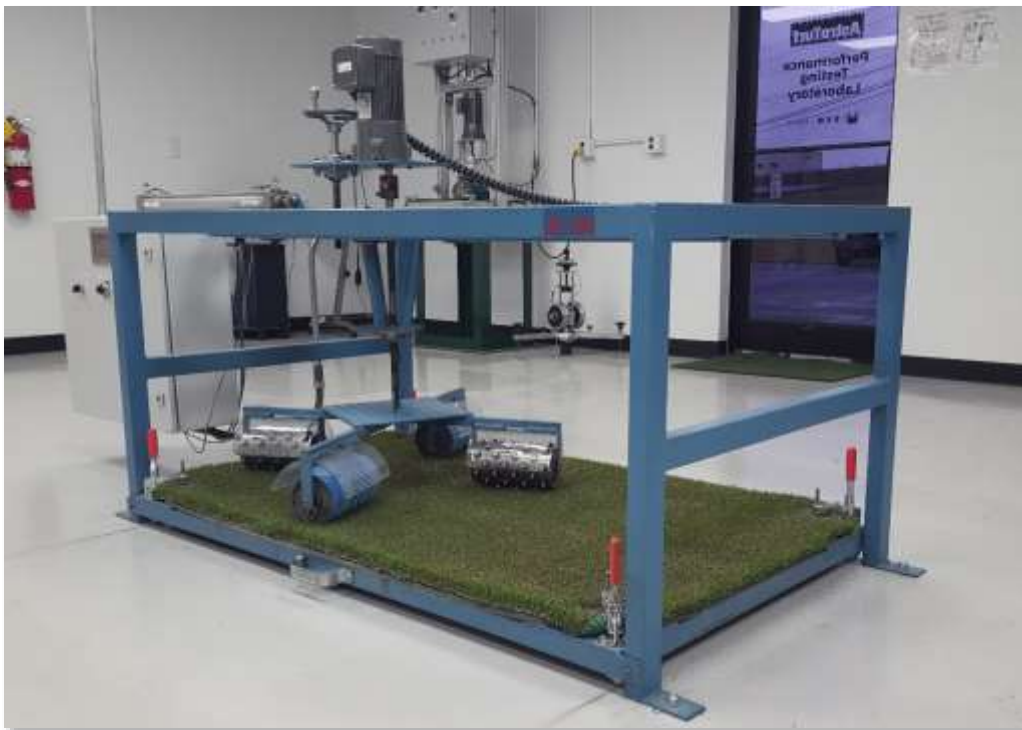


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# JE-108 Testing

Turf System: F9CLA

The device selected for artificially wearing the turf sample is the standard JE-108 device developed by AstroTurf. The JE-108 device has been designed to impart wear on laboratory prepared samples to simulate wear in the field. The four cleated and rubber rollers on the carriage traverse an infilled sample in a cyclical fashion, imparting a large ovoid wear pattern onto the sample.



The material provided was subjected to artificial mechanical wear of a maximum duration of 2,500 cycles on the JE-108 wear tester. The sample was visually inspected and photographed, both initially, and after every 500 cycles.

# JE-108 Testing

The following test results and photographs reflect the conditions of the sample after every interval of 500 cycles of testing. Each set of photographs was evaluated using the guide below.

Fiber Wear	
None	1
Slight	2
Moderate	3
Excessive	4

Appearance Retention	
Excellent	1
Good	2
Fair	3
Poor	4

Turf System	F9CLA	Number of Cycles:	0
Fiber Wear	N/A	Appearance Retention	N/A





# JE-108 Testing

Turf System	F9CLA	Number of Cycles:	500
Fiber Wear	1	Appearance Retention	1



# JE-108 Testing

Turf System	F9CLA	Number of Cycles:	1,000
Fiber Wear	1	Appearance Retention	1



# JE-108 Testing

Turf System	F9CLA	Number of Cycles:	1,500
Fiber Wear	1	Appearance Retention	1





# JE-108 Testing

Turf System	F9CLA	Number of Cycles:	2,000
Fiber Wear	1	Appearance Retention	2





# JE-108 Testing

Turf System	F9CLA	Number of Cycles:	2,500
Fiber Wear	1	Appearance Retention	2

