

OHIO DEPARTMENT OF AGRICULTURE  
AMUSEMENT RIDE SAFETY DIVISION  
8995 E. MAIN STREET  
REYNOLDSBURG, OHIO 43068  
Phone 614-728-6280    Fax 614-728-6416

DATE 7-26-17  
COMPANY Amusement of America  
COMPANY CODE American  
LOCATION Columbus

CODE: (✓) Satisfactory    (U) Unsatisfactory  
(N) Not Applicable    (R) Remarks

Plate No.	5808
Sticker #	3048
Ride	Fire Bull
MFG	KMG
Serial #	KMG-98-FRB-24-006
Theme Name	

LOCATION & INSTALLATION

1. No visible adjacent hazards and/or interference

2. In level position where applicable

3. Blocked & jacked

4. Anchored, braced & guyed

5. Motors, belts & cables guarded

6. Stairs & walkways-no obvious hazards

7. Fencing, railings and gates in place

8. Fuels stored in proper location & area free of spills

9. No visible unsecured items

11. No visible unguarded pinch points or hazardous projections

11. Operating at designated speed (RPM)
1. ✓

2. ✓

3. ✓

4. ✓

5. ✓

6. ✓

7. ✓

8. ✓

9. ✓

10. ✓

11. ✓

STRUCTURAL

12. Visual appearance indicates proper assembly

13. Visibly free of cracks or excessive wear

14. No missing bolts, or bolts of improper grade

15. Pins & retainers in place

16. Alignment, including sheaves & cables are satisfactory

17. Cables, chains, belts, gearing and bearings indicate no excessive wear

18. Motors, clutches & controls functioning when viewed

19. Brakes & stops functional

20. Hydraulic system shows no excessive wear

21. Air system functional
12. ✓

13. ✓

14. ✓

15. ✓

16. ✓

17. ✓

18. ✓

19. ✓

20. ✓

21. N

TUB & VEHICLE

22. Latches operate

23. Ride vehicle/tub attached to ride structure

24. Restraints in place and functional

25. Skin visually free of unrepaired cracks & damage

26. Seat coverings acceptable and secure

27. Back up latches present & functional

28. Wheels & tires-no excessive wear

29. Signage/identification in place
22. ✓

23. ✓

24. ✓

25. ✓

26. ✓

27. ✓

28. N

29. ✓

ELECTRICAL

30. Ride transformer & generators guarded, ground rod connected

31. Electronic testing device indicates no stray voltage to fence/platform

32. Insulation on wires & cables shows no excessive wear

33. No loose cables detected at plugs or boxes

34. Electrical boxes have covers, latches & signs

35. Switches & controls operational

36. No unattached, unconnected or unguarded lighting detected

37. Electrical supply source
30. ✓

31. ✓

32. ✓

33. ✓

34. ✓

35. ✓

36. ✓

37. ✓

MISCELLANEOUS

38. OTHER

39. Owner/Agent has read and understood the codes and standards listed on this form
38. N

39. ✓

My signature certifies that I have read the Owner/Agent Notice and agree to fully comply with all statutory requirements listed thereon and all other applicable laws and rules.

X

William J. Coscia

OWNER/AGENT PRINT SIGNATURE

X

OWNER/AGENT SIGNATURE

Sterner/Kaufman/Dean/Head

INSPECTOR SIGNATURE

COMPLIANCE ORDER/REMARKS		
THE FOLLOWING ALTERATIONS, CHANGES OR REPAIRS HEREINAFTER SET FORTH MUST BE MADE IN ORDER TO BRING THIS EQUIPMENT INTO CONFORMITY		
LINE ITEM	REQUIREMENTS	DATE COMPLIANCE DUE
NOTE	NOT Confirmed	
I CERTIFY ALL REQUIREMENTS OF THIS ORDER HAVE BEEN FULLY COMPLIED WITH ON 20		
OWNER/AGENT PRINT SIGNATURE    OWNER/AGENT SIGNATURE    TITLE		
WHEN REQUIREMENTS ARE COMPLETED, CERTIFY COMPLIANCE AND MAIL PINK COPY TO THE ABOVE ADDRESS. FAILURE TO COMPLY MAY RESULT IN THE REVOCATION OF YOUR PERMIT TO OPERATE AND/OR FINES UP TO \$5000.		

OWNER/AGENT NOTICE

The owner of amusement ride(s) is required to abide by all applicable codes, standards and rules and provide necessary equipment and documents which include but are not limited to:

1. Signage  
OAC 901:9-1-07

2. Electrical Grounding/Requirements  
OAC 901:9-1-06 (C) & (E)

3. Fire Extinguishers  
OAC 901:9-1-06 (H)

4. Maintenance Repair and Inspection Documentation  
ORC 1711.55 (A),  
OAC 901:9-1-04 &  
OAC 901:9-1-05

5. Operator Training Documentation  
OAC 901:9-01-06 (B) & (I)

6. Proper Anchoring  
OAC 901:9-1-04 (A)

The Amusement ride cannot operate until the items listed are in full compliance.

Disclaimer: This is a visual inspection meant to regulate compliance with applicable law as of this day and time of inspection. The electrical portion of this inspection is not intended to be an electrical safety inspection pursuant to R.C. Chapter 3783. The owner remains responsible under Ohio Law for maintaining the safety of the ride and ride environment.





# Amusements of America

Daily Inspection and Maintenance  
11 Day Report

Ride Name: Fireball	Location: Ohio State
Serial No.: KMG-98-FRB-24-006	Dates: 7/26-8/6/17

INSTRUCTIONS: S=Satisfactory, U=Unsatisfactory. Any items that are UNSATISFACTORY are to be explained on the Work Order.

No	Points of Inspection	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11
Pre	Outriggers and braces torqued to 1700 Nm	S										
Pre	Gondola max speed of 8 RPM and 120 degree angular movement	S										
1.	Gondola/arm joints torqued to 240 Nm	S										
2.	Arm/drum joints torqued to 240 Nm	S										
3.	Check attachment brackets on seat	S										
4.	Joint pendulum with slewing gear torqued to 240 Nm	S										
5.	Joint drum with slewing gear torqued to 400 Nm	S										
6.	All fences and gates are properly installed	S										
7.	Condition of floor boards (sharp edges, secure)	S										
8.	Grease floor hinge points (8 places) Item 06	S										
9.	Grease hinge points on floor cylinders (8 places) Item 08	S										
10.	Grease swing bearings (8 places) Item 09	S										
11.	Grease rotating bearing (4 places) Item 13	S										
12.	Plugs and wires secure at arms, joints and control box	S										
13.	Ground fault switch operating	S										
14.	24 volt emergency system functioning	S										
15.	Shoulder harnesses working properly and in good condition	S										
16.	All seat indicator lights operating properly	S										
17.	Ride will not start with a seat fault light on	S										
18.	Hydraulic system for leaks and worn hoses	S										
19.	Oil level above minimum level	S										
20.	Check return pressure for filter replacement	S										
21.	Middle floor cylinders moving freely, condition of hinges	S										
22.	Check that all signage is posted and correct	S										
23.	Check operational controls	S										
24.	Run 3 complete ride sequences using all controls	S										
25.	Inspection performed by (initial only)	RM										

FOR YOUR SAFETY: "Lockout" ride before performing maintenance or repairs and clear ride of all tools, personnel and obstructions before operating.

Foreman's Signature - I certify that I have checked the daily inspection points listed and the ride is ready to operate.

**REPORT ANY PROBLEM FOUND IMMEDIATELY TO RIDE SUPERVISOR  
BEFORE CONTINUING INSPECTION OR REPAIR.**

3-27-06

THIS PERMIT SHALL BE KEPT AT THE SAME LOCATION AS THE  
AMUSEMENT RIDE AND SHALL BE MADE AVAILABLE FOR INSPECTION  
BY ANY PERSON.

\$150.00

STATE OF OHIO  
JOHN KASICH, Governor

\$150.00

**2017**

Department of Agriculture  
OHIO RIDE PERMIT

**To Operate:**

COMMON NAME  
OF RIDE

Fire Ball

MANUFACTURER

KMG

SERIAL OR ID NO.

KMG-98-FRB-24-006 / COA 5808

**Issued To:**

**NON-TRANSFERABLE**

FIRM NAME

Amusements of America

STREET ADDRESS

2907 TV Rd

CITY

Florence

STATE

SC

ZIP

29501

DATED THIS

26th

DAY OF

July

20 17

LICENSEE:

INSPECTOR

SK

\$150.00

AGR 1002  
(REV. 10/14)

**3048**

\$150.00





Amusements of America

Daily Inspection and Maintenance  
11 Day Report

Ride Name: Fireball	Location:
Serial No.: KMG-98-FRB-24-006	Dates:

INSTRUCTIONS: S=Satisfactory, U=Unsatisfactory. Any items that are UNSATISFACTORY are to be explained on the Work Order.

No	Points of Inspection	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11
Pre	Outriggers and braces torqued to 1700 Nm	S										
Pre	Gondola max speed of 8 RPM and 120 degree angular movement	S										
1.	Gondola/arm joints torqued to 240 Nm	S	S	S	S	S	S					
2.	Arm/drum joints torqued to 240 Nm	S	S	S	S	S	S					
3.	Check attachment brackets on seat	S	S	S	S	S	S					
4.	Joint pendulum with slewing gear torqued to 240 Nm	S	S	S	S	S	S					
5.	Joint drum with slewing gear torqued to 400 Nm	S	S	S	S	S	S					
6.	All fences and gates are properly installed	S	S	S	S	S	S					
7.	Condition of floor boards (sharp edges, secure)	S	S	S	S	S	S					
8.	Grease floor hinge points (8 places) Item 06	S	S	S	S	S	S					
9.	Grease hinge points on floor cylinders (8 places) Item 08	S	S	S	S	S	S					
10.	Grease swing bearings (8 places) Item 09	S	S	S	S	S	S					
11.	Grease rotating bearing (4 places) Item 13	S	S	S	S	S	S					
12.	Plugs and wires secure at arms, joints and control box	S	S	S	S	S	S					
13.	Ground fault switch operating	S	S	S	S	S	S					
14.	24 volt emergency system functioning	S	S	S	S	S	S					
15.	Shoulder harnesses working properly and in good condition	S	S	S	S	S	S					
16.	All seat indicator lights operating properly	S	S	S	S	S	S					
17.	Ride will not start with a seat fault light on	S	S	S	S	S	S					
18.	Hydraulic system for leaks and worn hoses	S	S	S	S	S	S					
19.	Oil level above minimum level	S	S	S	S	S	S					
20.	Check return pressure for filter replacement	S	S	S	S	S	S					
21.	Middle floor cylinders moving freely, condition of hinges	S	S	S	S	S	S					
22.	Check that all signage is posted and correct	S	S	S	S	S	S					
23.	Check operational controls	S	S	S	S	S	S					
24.	Run 3 complete ride sequences using all controls	S	S	S	S	S	S					
25.	Inspection performed by (initial only)	Rm	Rm	Rm	Rm	Rm	Rm					

FOR YOUR SAFETY: "Lockout" ride before performing maintenance or repairs and clear ride of all tools, personnel and obstructions before operating.

  
Foreman's Signature - I certify that I have checked the daily inspection points listed and the ride is ready to operate.

**REPORT ANY PROBLEM FOUND IMMEDIATELY TO RIDE SUPERVISOR  
BEFORE CONTINUING INSPECTION OR REPAIR.**





# Amusements of America

Daily Inspection and Maintenance  
11 Day Report

Ride Name: Fireball	Location: <u>Meadowlands</u>
Serial No.: KMG-98-FRB-24-006	Dates: <u>June 22 - July 9, 2017</u>

INSTRUCTIONS: S=Satisfactory, U=Unsatisfactory. Any items that are UNSATISFACTORY are to be explained on the Work Order.

No	Points of Inspection	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11
Pre	Outriggers and braces torqued to 1700 Nm	S										
Pre	Gondola max speed of 8 RPM and 120 degree angular movement	S				S						
1.	Gondola/arm joints torqued to 240 Nm	S	S	S	S	S	S	S	S	S	S	S
2.	Arm/drum joints torqued to 240 Nm	S	S	S	S	S	S	S	S	S	S	S
3.	Check attachment brackets on seat	S	S	S	S	S	S	S	S	S	S	S
4.	Joint pendulum with slewing gear torqued to 240 Nm	S	S	S	S	S	S	S	S	S	S	S
5.	Joint drum with slewing gear torqued to 400 Nm	S	S	S	S	S	S	S	S	S	S	S
6.	All fences and gates are properly installed	S	S	S	S	S	S	S	S	S	S	S
7.	Condition of floor boards (sharp edges, secure)	S	S	S	S	S	S	S	S	S	S	S
8.	Grease floor hinge points (8 places) Item 06	S	S	S	S	S	S	S	S	S	S	S
9.	Grease hinge points on floor cylinders (8 places) Item 08	S	S	S	S	S	S	S	S	S	S	S
10.	Grease swing bearings (8 places) Item 09	S	S	S	S	S	S	S	S	S	S	S
11.	Grease rotating bearing (4 places) Item 13	S	S	S	S	S	S	S	S	S	S	S
12.	Plugs and wires secure at arms, joints and control box	S	S	S	S	S	S	S	S	S	S	S
13.	Ground fault switch operating	S	S	S	S	S	S	S	S	S	S	S
14.	24 volt emergency system functioning	S	S	S	S	S	S	S	S	S	S	S
15.	Shoulder harnesses working properly and in good condition	S	S	S	S	S	S	S	S	S	S	S
16.	All seat indicator lights operating properly	S	S	S	S	S	S	S	S	S	S	S
17.	Ride will not start with a seat fault light on	S	S	S	S	S	S	S	S	S	S	S
18.	Hydraulic system for leaks and worn hoses	S	S	S	S	S	S	S	S	S	S	S
19.	Oil level above minimum level	S	S	S	S	S	S	S	S	S	S	S
20.	Check return pressure for filter replacement	S	S	S	S	S	S	S	S	S	S	S
21.	Middle floor cylinders moving freely, condition of hinges	S	S	S	S	S	S	S	S	S	S	S
22.	Check that all signage is posted and correct	S	S	S	S	S	S	S	S	S	S	S
23.	Check operational controls	S	S	S	S	S	S	S	S	S	S	S
24.	Run 3 complete ride sequences using all controls	S	S	S	S	S	S	S	S	S	S	S
25.	Inspection performed by (initial only)	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM

FOR YOUR SAFETY: "Lockout" ride before performing maintenance or repairs and clear ride of all tools, personnel and obstructions before operating.

Foreman's Signature - I certify that I have checked the daily inspection points listed and the ride is ready to operate.

**REPORT ANY PROBLEM FOUND IMMEDIATELY TO RIDE SUPERVISOR  
BEFORE CONTINUING INSPECTION OR REPAIR.**

3-27-06



## RIDE MAINTENANCE LOG

RIDE NAME: Fireball 2017

[illegible]





## MAINTENANCE AND OPERATIONS PERSONNEL TRAINING RECORD

Duwan Dowdy  
EMPLOYEE NAME

[Signature]  
D.O.B.

The above named person has successfully completed the training, as required for compliance with ASTM F24 Committee standards.

The trainers who conduct the training also meet the requirements of ASTM F24 Committee standards and are certified by this company to conduct training, supervise and observe the inspection and operation and maintenance of the devices/attractions listed below.

[Signature]  
SIGNATURE OF SUPERVISOR

7/26/17  
DATE

RIDE NAME	Safety/ Emergency Procedures	Operations/ Assigned Duties	Inspection Maintenance Procedures	S=SUPERVISOR F=FOREMAN O=OPERATOR A=ATTENDANT
Fireball	✓			A

I certify that I have been trained in the above listed areas (as indicated by a check mark) on the rides listed above.

Duwan Dowdy  
SIGNATURE OF EMPLOYEE

7/26/17  
DATE



MAINTENANCE AND OPERATIONS PERSONNEL TRAINING RECORD

Luis Benitez  
EMPLOYEE NAME

[Signature]  
D.O.B.

The above named person has successfully completed the training, as required for compliance with ASTM F24 Committee standards.

The trainers who conduct the training also meet the requirements of ASTM F24 Committee standards and are certified by this company to conduct training, supervise and observe the inspection and operation and maintenance of the devices/attractions listed below.

[Signature]  
SIGNATURE OF SUPERVISOR

6/22/17  
DATE

RIDE NAME	Safety/ Emergency Procedures	Operations/ Assigned Duties	Inspection Maintenance Procedures	S=SUPERVISOR F=FOREMAN O=OPERATOR A=ATTENDANT
Fireball	✓	✓	✓	O

I certify that I have been trained in the above listed areas (as indicated by a check mark) on the rides listed above.

[Signature]  
SIGNATURE OF EMPLOYEE

6/22/17  
DATE



AMUSEMENTS OF AMERICA

CERTIFICATION RE: OPERATOR TRAINING

NAME OF RIDE: FALCON

MFG SERIAL NUMBER OF RIDE:

KMG-98-FRD-24-006

REF.: N.J.A.C. 5:14A-4.8, 9.8 and 9.9

For the above referenced ride, I hereby certify that:

- 1) I have read and understand the manufacturer's recommendations for operation, as found in the operation manual(s);
- 2) I know the safety-based limitations, including height, weight, or other rider requirements, regarding who may ride;
- 3) I am well versed on what can reasonably be expected to go wrong, how to recognize it, and how to get the ride and riders into a position that minimizes the risk of injury;
- 4) I know how to perform the pre-startup operational ride check as required by the operations manual(s);
- 5) I know how to verify that the daily maintenance checklist has been completed prior to operating the ride;
- 6) I know how to use all normal and emergency operating controls;
- 7) I know how to operate any restraint system, lap bar locking system, or seatbelts, and the proper way to contain and restrain a rider;
- 8) I know the whereabouts of safety equipment, including fire extinguishers, main electrical disconnect, lock-out point(s), and means of communication for emergency assistance.
- 9) I am capable of communicating with the public in the English language to convey safe riding policies and react to patron emergencies;
- 10) I have received a demonstration of the ride operation and have satisfactorily operated the ride under the supervision of my trainer; and
- 11) I have received adequate training to operate the ride.

OPERATOR NAME(S)

OPERATOR SIGNATURE(S)

DATE

DAVIS MILAN



NAME OF THE TRAINER:

Bill Costabile

SIGNATURE:



TITLE: SAFETY MANAGER

Date: 6-28-2016



# SOIL CONSULTANTS, INC.

ENGINEERS AND GEOLOGISTS

SINCE 1951

P.O. Drawer 698 • CHARLESTON, SC 29402 • (843) 723-4539 • Fax (843) 723-3648

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Acct. No: **AM007** Project No: **161473** Date Sampled: **10/25/2016**  
Report Date: **10/25/2016** Sampled By: **Gale Mole**  
Project: **2016 Amusement Ride Inspections - Ladson, SC** By Order Of: **Client**  
Location: **Fireball (KMG) S/N 98-FRB-24-006** Order Number:

Client: **AMUSEMENTS OF AMERICA**

REPORT: **Visual Weld Examination**

LAB NO: **44572-5**

## TEST RESULTS

Report No: **44572-5**

Page 1 of 1

On this date I did a visual inspection of the ride's structural components. No defects were found. For the inspection, SCI's visual inspection procedure SCN-VT-600 Rev. 4 was used. Acceptance of the welds was done using AWS D1.1 Structural Welding Code Table 6.1.

Remarks: Accept

Orig: AMUSEMENTS OF AMERICA  
Attn: Mr. Billy "Bobs" Costagliola  
E-Mail: [CarnivalB@aol.com](mailto:CarnivalB@aol.com) (1-ec copy)

Respectfully Submitted,  
SOIL CONSULTANTS, INC.



*Gale F. Mole*



Gale F Mole  
CWI 93061051  
QC1 EXP. 6/1/2017

Gale F. Mole  
CWI #93061051, NDT Mgr, Lvl III

10/28/2016

THIS REPORT APPLIES ONLY TO THE STANDARDS OR PROCEDURES INDICATED AND TO THE SAMPLE(S) TESTED AND/OR OBSERVED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS OR PROCEDURES. NOR DO THEY REPRESENT AN ONGOING QUALITY ASSURANCE PROGRAM UNLESS SO NOTED. THESE REPORTS ARE FOR THE EXCLUSIVE USE OF THE ADDRESSED CLIENT AND ARE NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION.





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[www.soilconsultantsinc.com](http://www.soilconsultantsinc.com)

Acct. No: **AM007**  
Report Date: **10/25/2016**  
Project: **2016 Amusement Ride Inspections - Ladson, SC**  
Location: **KMG Fireball**

Project No: **161473**

Date Sampled: **10/25/2016**  
Sampled By: **Mole, Gale**  
By Order Of: **Client**  
Order Number:

Client: **AMUSEMENTS OF AMERICA**

REPORT: **Ultrasonic Examination**

LAB NO: **44572-4**  
Test Method: **See Below**

## TEST RESULTS

Report No: **44572-4**  
Page 1 of 1

Inspection Performed: Annual Inspection of a KMG Fireball S/N 98-FRB-24-06 - Ultrasonic Inspection of Ride's 24 Gondola Pins for Defects

Plan/Dwg No: Gondola Arm Pins (24)	Item No: N/A	Date Received: 10/25/16
Date Examined: 10/25/16	Type of Mat'l: Carbon Steel	Temp of Mat'l: 75°F
Surface Condition: Clean/Smooth	Heat No: N/A	Heat Treat: N/A
Acceptance Std: Mfg. Safety Bulletin		
Exam Std: ASTM E114		
NDT Procedure No: SCN-UT-400		

Equipment: USM Go+	Transducer: 1/2" x 2.25 MHz	Test Block: Step Wedge
Method Used: Pulse Echo	Scanning Method: Manual	Sensitivity Level: 55 to 65 dBs
Couplant: Sonotech Sonotrace 30		

Part No: Gondola Pins	Total Length Examined: 100%
Type of Work: New	No Items Accepted: 24 Pins
	No Items Rejected: 0

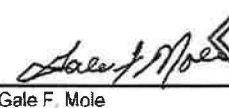
PC# or SM#	Result	Defect	Remarks
All 24 Gondola Pins Tested	Accept		No Defective Pins Found


Remarks: Inspection was at Coastal Carolina Fair in Ladson, SC and covers only areas of ride listed.

Examiners: Gale F. Mole, NDT Manager, Level III

Orig: AMUSEMENTS OF AMERICA  
Attn: Mr. Billy "Bobs" Costagliola  
E-Mail: [CarnivalB@aol.com](mailto:CarnivalB@aol.com) (1-ec copy)

Respectfully Submitted,  
SOIL CONSULTANTS, INC.

  
Gale F. Mole  
CWI #93061051, NDT Mgr, Lvl III

 **Gale F Mole**  
**CWI 93061051**  
**QC1 EXP. 6/1/2017**

10/28/2016

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