

U.S. DEPARTMENT OF AGRICULTURE
GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION
FEDERAL GRAIN INSPECTION SERVICE

(See reverse)

SAMPLER CONDITION REPORT

NAME OF ELEVATOR, CITY, AND STATE	DATE EXAMINED	FIELD OFFICE
NAME OF OFFICIAL AGENCY		

*INSTRUCTIONS TO EXAMINER: For a six month examination fill out the front of this form. For a complete grain test, including initial sampler test, fill out both sides of this form and send the original to the FGIS Field Office. Explain "FAIL" items in detail. If the sampler is not being used, indicate that fact under "Remarks" and prepare a report before the sampler is put into use.

PRIMARY SAMPLER		SECONDARY SAMPLERS	
BRAND/MODEL	SERIAL NO.	BRAND/MODEL	SERIAL NO.
GRAIN FLOW RATE (Past Sampler)	SAMPLING INTERVAL (Cycle Time)	BRAND/MODEL	SERIAL NO.

- SAMPLER CODE: D - Diverter P - Probe 0 - All Grains 1 - Small Grains 2 - Coarse Grains-not corn 3 - IN Inspections
 4 - OUT Inspections 5 - Cargolots 6 - Bargelots 7 - Hopper Carlots 8 - Carlots 9 - Trucklots

SECTION 1 -- ALL SAMPLERS			SECTION 2 -- D/T SAMPLERS				
ITEMS EXAMINED	PASS	/	FAIL	ITEMS EXAMINED	PASS	/	FAIL
Lighting around sampler	<input type="checkbox"/>		<input type="checkbox"/>	Pelican speed approx. 0.5 m/s	<input type="checkbox"/>		<input type="checkbox"/>
Safe access to areas	<input type="checkbox"/>		<input type="checkbox"/>	Pelican dust seals (interior)	<input type="checkbox"/>		<input type="checkbox"/>
Safe access to inside of devices	<input type="checkbox"/>		<input type="checkbox"/>	Pelican go-no-go gauge	<input type="checkbox"/>		<input type="checkbox"/>
Lockouts (safety switches)	<input type="checkbox"/>		<input type="checkbox"/>	Pelican cuts entire grain stream	<input type="checkbox"/>		<input type="checkbox"/>
Cleanliness of area	<input type="checkbox"/>		<input type="checkbox"/>	Condition of excess sample return leg or belt	<input type="checkbox"/>		<input type="checkbox"/>
Cleanliness of device	<input type="checkbox"/>		<input type="checkbox"/>	Timer set correctly	<input type="checkbox"/>		<input type="checkbox"/>
Lubrication (if required)	<input type="checkbox"/>		<input type="checkbox"/>	SECTION 3 -- TRUCK PROBES			
Panel board indicator lights	<input type="checkbox"/>		<input type="checkbox"/>	ITEMS EXAMINED	PASS	/	FAIL
Air or hydraulic pressure	<input type="checkbox"/>		<input type="checkbox"/>	Tip not bent/damaged	<input type="checkbox"/>		<input type="checkbox"/>
Delivery tube secure	<input type="checkbox"/>		<input type="checkbox"/>	Tip vacuum check with paper	<input type="checkbox"/>		<input type="checkbox"/>
Delivery tube air inlet secure	<input type="checkbox"/>		<input type="checkbox"/>	Hydraulic oil level OK	<input type="checkbox"/>		<input type="checkbox"/>
Collection box secure	<input type="checkbox"/>		<input type="checkbox"/>	Vacuum adjustments sealed	<input type="checkbox"/>		<input type="checkbox"/>
Collection box screen clean	<input type="checkbox"/>		<input type="checkbox"/>	Sample size	<input type="checkbox"/>		<input type="checkbox"/>
Sampler not modified or repaired	<input type="checkbox"/>		<input type="checkbox"/>	Collection box seal	<input type="checkbox"/>		<input type="checkbox"/>
Seals/padlocks in place	<input type="checkbox"/>		<input type="checkbox"/>	Delivery tube condition	<input type="checkbox"/>		<input type="checkbox"/>
Inspected By: (LI or ACG) _____	Vacuum pressure if known: _____						

Reviewed By: (ACG) _____

U.S. DEPARTMENT OF AGRICULTURE GRAIN INSPECTION, PACKERS AND STOCKYARDS ADMINISTRATION FEDERAL GRAIN INSPECTION SERVICE				OMB NO.: 0580-0013 (See reverse)	
NAME OF ELEVATOR, CITY, AND STATE 1			DATE EXAMINED 2	FIELD OFFICE 3	
			NAME OF OFFICIAL AGENCY 4		
*INSTRUCTIONS TO EXAMINER: For a six month examination fill out the front of this form. For a complete grain test, including initial sampler test, fill out both sides of this form and send the original to the FGIS Field Office. Explain "FAIL" items in detail. If the sampler is not being used, indicate that fact under "Remarks" and prepare a report before the sampler is put into use.					
PRIMARY SAMPLER			SECONDARY SAMPLERS		
BRAND/MODEL 5	SERIAL NO. 6	BRAND/MODEL 7	SERIAL NO. 8		
GRAIN FLOW RATE (Past Sampler) 9	SAMPLING INTERVAL (Cycle Time) 10	BRAND/MODEL	SERIAL NO.		
SAMPLER CODE: <input type="checkbox"/> D - Diverter <input type="checkbox"/> P - Probe <input type="checkbox"/> 0 - All Grains <input type="checkbox"/> 1 - Small Grains <input type="checkbox"/> 2 - Coarse Grains-not com <input type="checkbox"/> 3 - IN Inspections <input type="checkbox"/> 4 - OUT Inspections 11 <input type="checkbox"/> 5 - Cargolots <input type="checkbox"/> 6 - Bargelots <input type="checkbox"/> 7 - Hopper Carlots <input type="checkbox"/> 8 - Carlots <input type="checkbox"/> 9 - Trucklots					
SECTION 1 -- ALL SAMPLERS			SECTION 2 -- D/T SAMPLERS		
ITEMS EXAMINED	PASS / FAIL	ITEMS EXAMINED	PASS / FAIL		
Lighting around sampler 12	<input type="checkbox"/> / <input type="checkbox"/>	Pelican speed approx. 0.5 m/s 27	<input type="checkbox"/> / <input type="checkbox"/>		
Safe access to areas 13	<input type="checkbox"/> / <input type="checkbox"/>	Pelican dust seals (interior) 28	<input type="checkbox"/> / <input type="checkbox"/>		
Safe access to inside of devices 14	<input type="checkbox"/> / <input type="checkbox"/>	Pelican go-no-go gauge 29	<input type="checkbox"/> / <input type="checkbox"/>		
Lockouts (safety switches) 15	<input type="checkbox"/> / <input type="checkbox"/>	Pelican cuts entire grain stream 30	<input type="checkbox"/> / <input type="checkbox"/>		
Cleanliness of area 16	<input type="checkbox"/> / <input type="checkbox"/>	Condition of excess sample return leg 31	<input type="checkbox"/> / <input type="checkbox"/>		
Cleanliness of device 17	<input type="checkbox"/> / <input type="checkbox"/>	Timer set correctly 32	<input type="checkbox"/> / <input type="checkbox"/>		
Lubrication (if required) 18	<input type="checkbox"/> / <input type="checkbox"/>	SECTION 3 -- TRUCK PROBES			
Panel board indicator lights 19	<input type="checkbox"/> / <input type="checkbox"/>	ITEMS EXAMINED	PASS / FAIL		
Air or hydraulic pressure 20	<input type="checkbox"/> / <input type="checkbox"/>	Tip not bent/damaged 33	<input type="checkbox"/> / <input type="checkbox"/>		
Delivery tube secure 21	<input type="checkbox"/> / <input type="checkbox"/>	Tip vacuum check with paper 34	<input type="checkbox"/> / <input type="checkbox"/>		
Delivery tube air inlet secure 22	<input type="checkbox"/> / <input type="checkbox"/>	Hydraulic oil level OK 35	<input type="checkbox"/> / <input type="checkbox"/>		
Collection box secure 23	<input type="checkbox"/> / <input type="checkbox"/>	Vacuum adjustments sealed 36	<input type="checkbox"/> / <input type="checkbox"/>		
Collection box screen clean 24	<input type="checkbox"/> / <input type="checkbox"/>	Sample size 37	<input type="checkbox"/> / <input type="checkbox"/>		
Sampler not modified or repaired 25	<input type="checkbox"/> / <input type="checkbox"/>	Collection box seal 38	<input type="checkbox"/> / <input type="checkbox"/>		
Seals/padlocks in place 26	<input type="checkbox"/> / <input type="checkbox"/>	Delivery tube condition 39	<input type="checkbox"/> / <input type="checkbox"/>		
Inspected By: (LI or AGO) 41		Vacuum pressure if known: 40			
Reviewed By: (ACG) 42					
Form FGIS-936 (5-03) Previous editions are obsolete.					

FORM NO.: 0580-0013 (See reverse)															
Initial sampler test, fill being used, indicate that															
<input type="checkbox"/> 3 - IN Inspections <input type="checkbox"/> 9 - Trucklots															
<table border="1"> <thead> <tr> <th>PASS</th> <th>FAIL</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr> </tbody> </table>		PASS	FAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**INSTRUCTIONS FOR COMPLETING
FORM FGIS-936, "SAMPLER CONDITION REPORT," (FRONT)**

1. Name of the elevator, city, and state.
2. Date examination was done.
3. Name of FGIS field office in charge of the circuit.
4. Name of the official agency that does original inspections at the facility.
5. Brand name and type of primary (diverter-type sampler) or probe-type sampler examined and tested. Are they of a type approved by FGIS?
6. Serial number of primary diverter-type or probe-type sampler.
7. Brand name of secondary sampler.
8. Serial number of secondary sampler.
9. Calculate the maximum flow of spout or belt on which the sampler is installed.
10. Sampling Interval-Read from the timer.
11. Type of carriers or lots the system will sample.

Section 1 – All Samplers

12. Lighting should be approximately 30 footcandles (general task lighting).
13. Safe access includes approved stairs, fixed ladders, platforms, and railings.
14. Safe access to the inside of the housing or hood without endangering the operator.
15. Lockout switches must be present and meet requirements.
16. Cleanliness of the area-overhead, floor, stairs.
17. Cleanliness/condition of primary-check for plugs, leaks, dust, sprouted grain hasps/hinges, wiring.
18. Lubrication-Grease or oil leaks.
19. Panel lights-Use radio or phone (if needed) to ensure that the power and wiring properly. Have any changes been made in the wiring?
20. Air or hydraulic pressure-Is there enough? Record the gage pressure, if available.
21. Delivery tube must be secure from loss or introduction of material.
22. Delivery tube-Pneumatic systems must have a guard over the air supply inlet.
23. Collection box-If not continuously attended, must be secure at inlet and outlet.
24. Collection boxes that have a screen must be maintained in a clean condition.
25. Sampler not Modified-For this check, good installation records are essential.
26. Seals-Were the security seals on inspection doors found intact? Was the door secure?

Section 2 – D/T Samplers

27. Pelican speed must be uniform with no slow spots. Speed can be estimated by timing.
28. Pelican dust seals-Must be present, not torn, and must seal-off the pelican, when closed.
29. Pelican Go-no-go Gauge-Use it to ensure the opening is between 3/4 and 7/8 along its entire length.
30. The reverse of Form FGIS-936 is used for performing a test (grain test). Instructions are contained in Chapter 5, Tests.
31. Pelican cuts stream-If practical, observe a cut to see that the pelican is sampling stream, and that it does not back up from excess grain.
32. Condition of excess sample return-Check if it is leaking, infested, or backing up.
33. Timer-Does the timer setting match the documented setting (required). Use the timer; do not rely on posted signs or old records.

Section 3 – Truck Probes

34. Probe tip must be in good condition.
35. For core-type probes, a small piece of paper is placed over the tip to check supply/vacuum balance. The paper should not fall off or be sucked into the tip.
36. Check levels if possible.
37. After adjustment, air supply/vacuum balance should not be changed. If it is changed, record settings, this provides assurance that they remain correctly adjusted.

37. Is the sample size adequate? Has it changed?
38. If the collection box has a gasket, is it in good condition with no air leaks.
39. Is the delivery tube in good condition,
40. If a gage reading is available, it can indicate leaks or misadjustment.

Name of Inspector

41. Show the name of the inspector who completed the examination. If any item is unsatisfactory, the sampler is not acceptable. Keep the not acceptable Form FC record. Even if the facility brings the sampler into compliance immediately, complete another form.
42. An ACG should review some forms for correctness when possible. Any questionable information or remarks must be verified to be accurate.

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GRAIN TEST DATA

GRAIN TEST DATA					
SAMPLING METHOD USED FOR STANDARD: <input type="checkbox"/> PELICAN <input type="checkbox"/> CUP <input type="checkbox"/> OTHER _____			<i>for Mechanical Truck Probes only</i>		
COMMODITY: <input type="checkbox"/> SMALL GRAIN <input type="checkbox"/> COARSE GRAIN <input type="checkbox"/> OTHER _____			Date	Sample No.	Type
REMARKS:				6	Test Unit
					Standard
					HP
				7	Test Unit
					Standard
					HP
				8	Test Unit
					Standard
					HP
				9	Test Unit
					Standard
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	10	Test Unit			
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	19	Test Unit			
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	20	Test Unit			
		Standard			
		HP			
Date	Sample No.	Type	DKG	BCFM	
	1	Test Unit			
		Standard			
Difference					
Tolerance					
Result - One test lot			<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT
Date	Sample No.	Type	DKG	BCFM	
	2	Test Unit			
		Standard			
	3	Test Unit			
		Standard			
	4	Test Unit			
		Standard			
	5	Test Unit			
		Standard			
Test Unit MDS*					
Tolerance					
Result - Five test lots			<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT
Test Unit MDS*			Hand Probe MDS*		
Regression or T-test			<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT	<input type="checkbox"/> IN <input type="checkbox"/> OUT

*Mean Deviation from Standard

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0580-0013. The time required to complete this information collection is estimated to average 45 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

GRAIN TEST DATA

10

SAMPLING METHOD USED FOR STANDARD:					<i>for Mechanical Truck Probes only</i>				
<input type="checkbox"/> PELICAN 1 <input type="checkbox"/> CLIP <input type="checkbox"/> OTHER _____					Date	Sample No.	Type	DKG	BCFM
COMMODITY:						6	Test Unit		
<input type="checkbox"/> SMALL GRAIN 2 <input type="checkbox"/> COARSE GRAIN <input type="checkbox"/> OTHER _____							Standard		
REMARKS:							HP		
3						7	Test Unit		
							Standard		
							HP		
						8	Test Unit		
							Standard		
							HP		
						9	Test Unit		
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						10	Test Unit		
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						11	Test Unit		
							Standard		
							HP		
						12	Test Unit		
							Standard		
							HP		
4		1	Test Unit			13	Test Unit		
			Standard	5			Standard		
							HP		
Difference 6						14	Test Unit		
Tolerance 7							Standard		
Result - One test lot 8							HP		
						15	Test Unit		
							Standard		
							HP		
9						16	Test Unit		
Date	Sample No.	Type	DKG	BCFM			Standard		
	2	Test Unit					HP		
		Standard							
	3	Test Unit				17	Test Unit		
		Standard					Standard		
							HP		
	4	Test Unit				18	Test Unit		
		Standard					Standard		
							HP		
	5	Test Unit				19	Test Unit		
		Standard					Standard		
							HP		
						20	Test Unit		
							Standard		
							HP		
Test Unit MDS*					Test Unit MDS*				
Tolerance					Hand Probe MDS*				
Result - Five test lots					Regression or T-test 11				
					<input type="checkbox"/> IN <input type="checkbox"/> IN <input type="checkbox"/> IN <input type="checkbox"/> OUT <input type="checkbox"/> OUT <input type="checkbox"/> OUT				
*Mean Deviation from Standard									

number
ins.

INSTRUCTIONS FOR COMPLETING
FORM FGIS-936, "SAMPLER CONDITION REPORT,"
(REVERSE)

Use the reverse of Form FGIS-936 for testing (grain test). Always precede a test examination, documented on the front of the form. If the examination and the test are recorded on the same sheet, properly identify the test by filling in the Name of Items 1 through 11, 41 and 42 on the front as described in Chapter 4, Examination

1. Method of sampling-What was the standard? If a special location or procedure explain in remarks.
2. Specify grain.
3. Remarks-Summary of important observations on the sampling system and test information. Was the test run at normal load-out speed, air pressure, belt depth dust collection turned on? Shipping bins checked?
4. Enter date sampled.
5. One factor is required, but additional factors may be tested. If necessary, the manager shall decide the appropriate factors. Test weight is not to be used as 1 Report percentages to 2 decimal places.
6. Mathematical average of the mechanical sampler results, average of the standard average of other results. Round percentages to 2 places.
7. Tolerance or allowable deviation = $0.10 \times$ (standard average).
8. Mark the appropriate box for each factor tested. If more than one factor was tested they must be within tolerance for a pass. A factor is considered within tolerance if the mean deviation from the standard is less than or equal to the allowable deviation for the applicable factor(s).
9. If 5 test lots are to be evaluated, continue entering sample data.
10. If testing a mechanical truck probe, continue entering sample data for 20 tests.
11. Truck probe performance is evaluated against a standard and a hand probe performance is evaluated against a standard using regression or a T-test. Technical Service Division provides support for the analysis.

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