

Reporting Marks	CTCX 743002	Car Location City/State	Handley, WU
Date inspected	3/3/15 Railroad CSX	DOT Specification	
Last Contained	Petroleum Grude Dil	Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)	31,790 us quis	LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

	, _∩ D	75	for
	op Center Line Bulge	16""L x 30" H APPox 1" height	Berd
	371 3124		
	attam Contae Lina		
\bigcap			Bound
R	ight Center Line	BR Corner 3"6" × 2'decit 112" deep F	Bold reld
$\int \left[\right]$	• eft Center Line	Α	jix 1''Den 11/2 deef
	a ²		
<u> </u>	Page 1 of 4		L





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

Document estimated location of damage on Figures located on page 1 of this report and document dimensions 1. coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
- 	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

· • · ·									
4	What nercent	age/locations	s of the fank	were exposed	to fire?	Indicate	ocation in	ioures on nage 1	0
		Beingen						-Baros ou base v	۰.

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially degrees and stopped at 6.

7.

Page 2 of 4

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Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

- C.	<u> </u>	i na			
× 7	112		 1 A.C		
				- No.	
		~			

1. Number of damaged valves? Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values good condition with only flame damage/manoway coverz good Condition no mechanical damage

A-End

Description of damage? Valve, Coils etc... 2.

Document station stencil if other than qual. Decal

	<u>같은 것은 것은 것은 것을 하면 것은 것을 것을 하는 것을 수 없</u> 는 것을 수 있는 것을 것을 수 있는 것을 수 있다. 것을 것을 것을 수 있는 것을 수 있다. 것을	승규와 동안동의 관람이라. 물고 귀엽 영양일 같다.	<u> 안중 전망 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것</u> 같은 것 같은 것
a	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e /	Type of damaged valve?	Manufacturer?	Cause?
1	Gasket Type?	O-ring type?	Serial Number

BOTTOM

Other information or description deemed pertinent by inspector: Bottom outlet value vandle in place/BOV nozzle sheaved off Bov closed handle/value secured intach



Reporting Marks	DCRTX 741431	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)





<u>B-Heac</u>	<u>d</u>	A-Head	بر 2			
	시간 - 이라가 가지 않는다. - 이가 이가 같은 것은 것을 받는다. - 이가 이가 같은 것은 것을 같은 것을 같은 것을 알았다.	90'n. 200) 	Station Stencil	Oual.	Due
	\sim /		Tank Qual.			
		w /	Thickness			
hix4'		×32	Serv. Equip.			
17" doep not	He .	dect x 18 Tigh	PRD			
V Ing	1 1 7					
		X	Lining	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
$\boldsymbol{\Lambda}$	-1		Rule 88			
$\sim \lambda$	/		Stub Sill			
\sim	>					
		\frown				
Comments:				영말은 승규는 것이 같았		

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially _____ degrees and stopped at _____

Page 2 of 4

Center?



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal___

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

Protective housing cover bent mward/ heavy flame dariege on All values/ mwb burnt down to Approx 3/8/ Thermal OX toftop of car

A-End

BOTTOM

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
е	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

Bottom outlet value good condition everything intach



Federal Railroad Administration Tank Car Damage Assessment Form

Reporting Marks	CBTX	741946	#23	Car Location City/State	
Date inspected	3/3/15	Railroad	•	DOT Specification	
Last Contained				Was product released?	
(Indicate One)	Jacket			Does car contain product	
Car builder		Stub	Sill Design		Built Date
Capacity (GAL)			···· , · · · · · · · · · · · · · · · ·	LD Limit (LB)	· · · · · · · · · · · · · · · · · · ·

"Type of Damage and indicate number on figures below within damaged areas. (sketched in by inspector)





Federal Railroad Administration Tank Car Damage Assessment Form <u>A-Head</u>



TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth Thru
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire? (Indicate one) Yes

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? _____% Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to? _____

6. To what degree did the car roll? Initially ______ degrees and stopped at _____

7. Distance traveled from track center? B-end? ______ A-end? _____ Center? _____

8. Brief description of details of surfaces tank was exposed to in transit to present location? E.g. mud, track, rocks, etc...



Federal Railroad Administration Tank Car Damage Assessment Form

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
đ	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	****

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact with heavy fire damage



BOTTOM

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BON, nozzle, and handle intact w10 damage



Reporting Marks	GATX 286292	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

304 308 312Tudinal 308 Top Center Line 381 320 320 320 320 320 320 334	
 Bottom Center Line	
Right Center Line	
Left Center Line	





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially o degrees and stopped at

Center?



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

Document station stencil if other than qual. Decal ____ 1. Number of damaged valves?_

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

Values All intache / everything burnt

A-End



BOTTOM

2. Description of damage? Valve, Coils etc...

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: Skid protection sight dent/value handle closed/value good condition



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Reporting Marks	CBTX 742201	Car Location City State	
Date inspected	3/3/15 Railroad	DOT Specification	DOTINSIDOWP
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END No devailment domage except mechanical/safoty Appilances

	\sim	\mathbf{N}		
Top Center Line	()		
Bottom Center Line				
			N	
		이 이 것은 것은 것은 것을 하는 것을 수 있다. 물건을 하는 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있다. 물건을 가 하는 것을 수 있다. 물건을 것을 수 있다. 물건을 하는 것을 수 있다. 물건을 것을 하는 것을 수 있다. 물건을 것을 것을 수 있다. 물건을 것을 것을 수 있다. 물건을 것이 같이 같아. 물건을 것이 않아. 물건을 것이 같아. 물건을 것이 같아. 물건을 것이 같아. 물건을 것이 않아. 것이 않아. 물건을 것이 않아. 않아. 물건을 것이 않아. 물건을 것이 않아. 않아. 물건을 것이 않아. 물건을 것이 않아. 물건을 것이 않아. 않아. 물건을 것이 않아. 것이 않아. 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 것이 않아. 물건을 것이 않아. 물건을 것이 않아. 물건을 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 물건을 것이 것이 않아. 물건을 것이 것이 않아. 물건을 것이 않아. 것이 않아. 물건을 것이 않아. 것이 않아. 것이 않아. 물건을 것이 않아.		
Right Center Line				
Right Center Line				
Right Center Line				





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
2	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
3	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
4	Affected?	Location?	Dimensions: Length	Width	Depth	
° - °	Defect type?	Shape?	Possible Cause?			
5	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
6	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
7	Affected?	Location?	Dimensions: Length	Width	Depth	
;	Defect type?	Shape?	Possible Cause?			
8	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially of degrees and stopped at

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.



BOTTOM

2. Description of damage? Valve, Coils etc...____

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:



Reporting Marks	CBTX 741926	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line 3063555712, 260 504	
Bottom Center Line	
Right Center Line	
Left Center Line HINHXILOW Now cleap 23'L X 8' W Dent Liside Nower	





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
2	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
3	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
4	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
5	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
6	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
7	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
8	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

Indicate location in figures on page 1. What percentage/locations of the tank were exposed to fire? 4.

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially degrees and stopped at 6.

7.



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

ТОР

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal

	승규는 방법에 가지 않는 것이 것을 위해 관계에 관계하는 것을 통했다.	그 소문한 한 것 같은 것 같은 것 같아요. 한 것 같은 것 같은 것 같이 많이 많이 많이 많이 없는 것 같이 없는 것 같이 없는 것 같이 없다. 한 것 같은 것 같이 없는 것 같이 없는 것 같이 없	수업 사람과 같이 많이 많이 들었다. 그는 것은 것은 것은 것을 수 있다. 것을 것을 것을 것을 수 있다. 것을 것을 것을 수 있다. 것을 것을 것을 수 있다. 것을 것을 것을 것을 것을 수 있다. 것을 것을 것을 수 있다. 것을 것을 것을 것을 것을 것을 수 있다. 것을
a	Type of damaged valve?	Manufacturer?	Cause?
. 🗕	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
- 1	Gasket Type?	O-ring type?	Serial Number
е	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

BOV intach closed good condition/handle in place secured BOV nozzle shreeved/sipeon pipe with liquid line Value pushed upward approx 10"/The slightly compressed on Aend A-End

воттом

2. Description of damage? Valve, Coils etc...____

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
1 - 17,	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:



Reporting Marks	CBTX 742774	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	DOTINISIOOWI
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line	Tic Flat entire length 1 oclock to 2 oclock 7
Bottom Center Line	
Right Center Line	
Left Center Line	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1. 4.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially o degrees and stopped at 6.

7.



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values in good no issues with top

A-End



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_

			[2] 그는 것, 그는 가지 않는 것 같아요. 이는 것 것 같은 것 같은 것 같은 것 같이 있는 것 같이 있는 것 같이 많이 있는 것 같이 없다. 가지 않는 것 같이 없는 것 같이 있는 것 같이 없다.
a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
. .	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

No issues with BOV of nozzle



Reporting Marks	CBTX 742792	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

 Top Center Line	
Bottom Center Line	
Right Center Line	
Left Center Line	





	Station Stencil	Qual.	Due
Tank Qual.			an a
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88	영화 정말 같은 것이다.		
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5.	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially of degrees and stopped at

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? Document station stencil if other than qual. Decal__

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

Top values All good condition

A-End



BOTTOM

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

		한 것 같은 것 같	그는 그는 것 같은 것 같은 것을 알았는 것 같이 같은 것을 알았다. 것은 것은 것 같은 것이 같은 것이 같이 같이 같이 같이 없다.
a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: BOU all good condition except the BOU nozzle was sheared off?



Reporting Marks	GATX 286285	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line	
Bottom Center Line	
Right Center Line	
Left Center Line 2'+ 2' 1'b'' decep 1'b'' decep 1'b'' decep	





		Luc
Tank Qual.	옷이 많은 것 같은 것	
Thickness		
Serv. Equip.		
PRD		
Lining		
Rule 88		
Stub Sill		

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? ______ A-end? _____ Center? 7.



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

An valves in good condition

A-End

BOTTOM

2. Description of damage? Valve, Coils etc..._

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
- <u>-</u> 14	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
· - · · ·	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BOV nozzle sheared of BOV good condition



Reporting Marks	CBTX 741512	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

	Top Center Line)
	Bottom Center Line	
$\overline{\left(\begin{array}{c} \end{array} \right)}$	$\begin{array}{c} 456 & 418 \\ 335 & 474 \\ 335 & 474 \\ 520 \\ 466 \\ 503 \end{array}$	
	510 468450436441/400 314 He 1 1 205 323 530 530 514	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
그는 가는 것이라.			
Lining			
Rule 88			
Stub Sill			연구의 가지?

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

Indicate location in figures on page 1. What percentage/locations of the tank were exposed to fire? 4.

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? _______ A-end? ______ Center? _____ 7.

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

 1. Number of damaged values?
 Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

Values are intache / neavy five damage

A-End



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

Boy five damage to seat of value



Reporting Marks	CTCX 74303	D Car Location City/S	itate
Date inspected	Railroad	DOT Specification	
Last Contained		Was product release	>d?
(Indicate One)	Jacket	Does car contain pro	oduct
Car builder	Stub	Sill Design	Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)







	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

Page 2 of 4



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal

	이 집에 가장 같아. 말한 번 것은 것이 아이지만 것 않는 것 않는 방법을 받았다.	승규는 아님께서는 아님이 많이 많이 들었다. 영화 영화	같은 것 가지 않는 것 같은 것을 많은 것은 것 같아요. 것 가지 않는 것 <u></u>
a	Type of damaged valve?	Manufacturer?	Cause?
1	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
11. 19 ⁰⁰ - 1	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves inted with heavy fire damage



A-End



BOTTOM

Description of damage? Valve, Coils etc...____ Document station stencil if other than qual. Decal 2.

a	Type of damaged valve?	Manufacturer?	Cause?
•	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
:-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

Bou in place / handle inplace / sheared bottom off of Bou cap just Above plug



Intac

Reporting Marks	CBTX 741702	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

	Top Center Toppor Car Rippled	
<u>(</u>	Bottom Center Line	
	Right Center Line	
	Left Center Line	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially o degrees and stopped at 6.

7. Distance traveled from track center? B-end? ______ A-end? _____ Center?



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal____

		그는 왜 주셨다. 나는 것 같아요. 돈을 다 나는 것 같아요.	물 그 방법에 가지만 지원 것이 들었다. 그 것 같은 것은 물질이 많은 것 사람은 것이 것이 많이 많이 나라.
a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

Liquid pipe upward direction of Appizox 5"/All other Values intach with heavy fire damage A-End



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_____

	집에서 집에서 있는 것을 관한 것 같은 것 같	영상 방법을 가지 않는 것이 같이 같이 같이 집에 가지 않는 것이 같이 많이
Type of damaged valve?	Manufacturer?	Cause?
Gasket Type?	O-ring type?	Serial Number
Type of damaged valve?	Manufacturer?	Cause?
Gasket Type?	O-ring type?	Serial Number
Type of damaged valve?	Manufacturer?	Cause?
Gasket Type?	O-ring type?	Serial Number
Type of damaged valve?	Manufacturer?	Cause?
Gasket Type?	O-ring type?	Serial Number
Type of damaged valve?	Manufacturer?	Cause?
Gasket Type?	O-ring type?	Serial Number
	Type of damaged valve?Gasket Type?Type of damaged valve?Gasket Type?Gasket Type?Gasket Type?	Type of damaged valve?Manufacturer?Gasket Type?O-ring type?Type of damaged valve?Manufacturer?Gasket Type?O-ring type?

Other information or description deemed pertinent by inspector:

Bou good condition no issues


Reporting Marks	CBTX 741944	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)







	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

Document estimated location of damage on Figures located on page 1 of this report and document dimensions 1. coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
7.00	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
.8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

7.

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
transtantina transtantina transtantina	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with heavy fire damage

A-End

BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_____

	가슴 그는 것이 아는 것이 아주 가지 않는 것을 수 없는 것을 못했다.	지수는 것 같은 것 같은 것 같은 것 같아. 것 같은 것 같은 것	한 바람 바람에 귀엽을 가 잘 <u>같다.</u> 나는 것은 것은 것이 가지 않는 것
a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
- 1	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: BOV NOZZLE sheaved off handle intact / value in closed position intact



Reporting Marks	GATX 286274	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)





					Station Sten
an an an Ar	\sim	\sim	\sim	Tank Qual.	
	\sim			Thickness	
/	λ	1	\sim \sim \sim	Serv. Equip.	
[1	1 - 1	PRD	
			문제를 통하는 것이	Lining	
$\langle \cdot \rangle$	1			Rule 88	
\mathbf{X}	/	$\sim \chi$] [Stub Sill	
			/ `		

	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			
a.	 A state of the sta		

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

What percentage/locations of the tank were exposed to fire? 4. Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially of degrees and stopped at 6.

7.

Center?



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values good condition with sight fire dancige



BOTTOM

Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal 2.

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
14	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: BOU Nozzle sheared and dis logged ball of value leaked



Reporting Marks	CBTX 7411516	Car Location City/State	
Date inspected	313115 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

11.54%

があたたい

Indicate number on figures below within damaged areas. (sketched in by inspector)

1







TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

Indicate location in figures on page 1. What percentage/locations of the tank were exposed to fire? 4.

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? ______ Center? _____ 7.

– Page 2 of 4 –



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_ Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
: - 1	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact with heavy fire damage

A-End



BOTTOM

Description of damage? Valve, Coils etc... 2.

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BOU nozzle sheared off / value handle close / value in closed position



Reporting Marks	CBTX 742-778	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line	·)
Bottom Center Line	
Right Center Line Mechanica Teor 5'6"Hx 4'w	
Left Center Line	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
같은 소망한 제품			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
in an	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

		and the state of the state of the state of the		 A set of the set of		이 같은 것은 것은 것은 것은 것이 같이 가지 않는 것 같아요. 것이 같이
A	What noncontage	locations of the	tomly man annoad to	~ film_9	Indiante leastion	in figuras on noor 1
4.	what percentage	locations of the	e tank were exposed to	o mre:	indicate location	In ingures on dage 1.
	1 0		그 김 그가 남자 같이 많이 가지 않는 특징 이 가 있어졌다.			0 1 0

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially odegrees and stopped at [

pped at <u></u>

Center?



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?______Document station stencil if other than qual. Decal____

		철상 물질 것이 다니지 않는 것을 가지 않는 것을 하는	방문을 가 물고 있는 것 같아요. 물건은 일을 가 들었는 것 같은 것 같아요. 물건을 가 있는 것이 같아요.
a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with heavy five damage

A-End



BOTTOM

Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_____ 2.

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BOU intact / nozzle intact / handle intact



Reporting Marks	CBTX	741956 #24	Car Location City/State	
Date inspected	313115	Railroad	DOT Specification	
Last Contained			Was product released?	
(Indicate One)	Jacket		Does car contain product	
Car builder		Stub Sill Design		Built Date
Capacity (GAL)			LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

$\left(\right)$	Top Center Line	
	Bottom Center Line	
	Right Center Line	\sim
	f aft Cantar Lina	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
이 같은 것은 것 같은			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
1. 	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1. 4.

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially of degrees and stopped at 6.

Distance traveled from track center? B-end? ______ A-end? _____ Center? _____ 7.

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact in good shape

A-End



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station sten

Document station stencil if other than qual. Decal_

а	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
е	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BOV intact no issues good shape



Reporting Marks	GATX 286233 #5	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	DOTINAIODWI
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

	Top Center Line	
[Bottom Center Line	
\int		
	Right Center Line	
	Right Center Line	
	Right Center Line	



				Station Stencil	Qual.	Due
$\langle \rangle$		\sim	Tank Qual.			
\mathbf{N}	\setminus /	\sim	Thickness			
	\setminus	λ	Serv. Equip.			
	()		PRD			
			Lining			
			Rule 88			
	$\langle \rangle$	1	Stub Sill			
/	\sim					

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
- 	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
.6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

6. To what degree did the car roll? Initially of degrees and stopped at

7. Distance traveled from track center? B-end?

A-end?

Center?



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact and good shape

A-End

BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: Skid protection bent / compromising seaf on flange of BOV



Reporting Marks	GATX 286241 #7	Car Location City/State	
Date inspected	Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line	
Bottom Center Line	
Right Center Line II'w X 7'H / = Flat 14'w X 3'H -> 18'X 18'' 8''deep Dent	2'WXI' ~ O"deep
Left Center Line	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
가 같은 것 같은			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
2	Affected?	Location?	Dimensions: Length Width Depth	
- 1	Defect type?	Shape?	Possible Cause?	
3	Affected?	Location?	Dimensions: Length Width Depth	
	Defect type?	Shape?	Possible Cause?	
4	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
5	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
6	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
7	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	
8	Affected?	Location?	Dimensions: Length Width Depth	
-	Defect type?	Shape?	Possible Cause?	

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? A-end? 7.

Center?

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?

Document station stencil if other than qual. Decal_

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact good shape

A-End



Document station stencil if other than qual. Decal Description of damage? Valve, Coils etc..._ 2.

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector: of ful BOV Nozzle sheared off/BOV opened 1/8° at devailment site/ bottchandle missing at devail site



National Transportation Safety Board Tank Car Damage Assessment Form

Reporting Marks	CBTX 741651 #21	Car Location City/State	
Date inspected	Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



Page 1 of 4





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
2	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
3	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
4	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
5	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
6	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
7	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		
8	Affected?	Location?	Dimensions: Length	Width	Depth
-	Defect type?	Shape?	Possible Cause?		

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? 7.

A-end?

Center?

Page 2 of 4



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal___

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
÷÷,	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
1	Gasket Type?	O-ring type?	Serial Number	

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with five damage

A-End



2. Description of damage? Valve, Coils etc... Document station stenci

Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector;

BON NUZZLE sheaved off/value intact closed/ BON handle in place secured



Reporting Marks	GATX 286232 #8	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line Buldge 12'L x 6'10	
Bottom Center Line	
Right Center Line	
Left Center Line	





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
- 	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

Was this tank car exposed to fire? 2.

How long was the car exposed to fire? 3.

What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1. 4.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially of degrees and stopped at 6.

7.



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal___

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with heavy fire damage

A-End



воттом

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

BOU nozzle sheared off Bou intact / Bou handle intact in place



Reporting Marks	CBTX 742035 #14	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)







	Station Stencil	Qual.	Due
Tank Qual	•		
Thickness			
Serv. Equi	p.		
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire?	Indicate location in figures on page 1
--	--

What material burned to create the fire that the car was exposed to? 5.

To what degree did the car roll? Initially of degrees and stopped at 6.

7. Distance traveled from track center? B-end? ______ A-end? _____ Center? _____



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal_____

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	-
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with heavy fire damage



BOTTOM

2. Description of damage? Valve, Coils etc...____ Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

ther information or description defined produce intact closed position/ Bou handle in place BOV nozzle sheaved off/value intact closed position/ Bou handle in place closed position



Reporting Marks	GATX 286214 #9	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

Indicate number on figures below within damaged areas. (sketched in by inspector)

Top Center Line	
 Bottom Center Line	
Right Center Line Entire Side Wrinkled Refer to Photo	
375 368 314 346 Left Center Line 325 ><	





	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
- -	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially of degrees and stopped at 6.

7.



8. Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc...

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?

_____ Document station stencil if other than qual. Decal ___

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
- ;	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with heavy fire damage



BOTTOM

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
C	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

Bou nozzle sheared off/bou intact / Bou handle sheared off closed position



Reporting Marks	CBTX 74153	30 #Xe	Car Location City/State	
Date inspected	3/3/15 Railroad	1	DOT Specification	
Last Contained			Was product released?	
(Indicate One)	Jacket		Does car contain product	
Car builder	S	tub Sill Design		Built Date
Capacity (GAL)			LD Limit (LB)	

END			
[Top Center Line		
\int			
	Bottom Center Line		
\int			
	Right Center Line	 	
	Left Center Line		





TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			
2	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			
3	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			
4	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			
5	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			
6	Affected?	Location?	Dimensions: Length Width Depth			
	Defect type?	Shape?	Possible Cause?			
7	Affected?	Location?	Dimensions: Length Width Depth			
	Defect type?	Shape?	Possible Cause?			
8	Affected?	Location?	Dimensions: Length Width Depth			
-	Defect type?	Shape?	Possible Cause?			

Was this tank car exposed to fire? 2.

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially degrees and stopped at 6.

Distance traveled from track center? B-end? ______ A-end? _____ Center? 7.



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves? _____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
- `	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact, All values good condition



BOTTOM

Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal 2.

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Other information or description deemed pertinent by inspector:

Everything intact value, nozzle, and handle good condition


Reporting Marks	CBTX	742087	#22	Car Location City/State		
Date inspected	3/3/15	Railroad		DOT Specification		
Last Contained		.		Was product released?		
(Indicate One)	Jacket			Does car contain product		
Car builder		Stub	Sill Design		Built Date	
Capacity (GAL)				LD Limit (LB)		

Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END







TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially \bigcirc degrees and stopped at \bigcirc 6.

Distance traveled from track center? B-end? _______A-end? ______Center? _____ 7.



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?______ Document station stencil if other than qual. Decal_____

a	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
b	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	O-ring type?	Serial Number
c	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	 O-ring type?	Serial Number
d	Type of damaged valve?	Manufacturer?	Cause?
-	Gasket Type?	 O-ring type?	Serial Number
e	Type of damaged valve?	Manufacturer?	Cause?
	Gasket Type?	O-ring type?	Serial Number

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact no damage

A-End



BOTTOM

2. Description of damage? Valve, Coils etc... Document station stencil if other than qual. Decal

	·			
a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	**
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type? -	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Other information or description deemed pertinent by inspector:

BOV nozzle sheared off/BOV intact closed position/BOV handle in place closed position



Federal Railroad Administration Tank Car Damage Assessment Form

Reporting Marks	CBTX 743212 #28	Car Location City/State	
Date inspected	3/3/15 Railroad	DOT Specification	
Last Contained		Was product released?	
(Indicate One)	Jacket	Does car contain product	
Car builder	Stub Sill Design		Built Date
Capacity (GAL)		LD Limit (LB)	

"Type of Damage and indicate number on figures below within damaged areas. (sketched in by inspector)

A-END

Top Center Line Bottom Center Line Right Center Line Left Center Line



Federal Railroad Administration Tank Car Damage Assessment Form <u>A-Head</u>



	Station Stencil	Qual.	Due
Tank Qual.			
Thickness			
Serv. Equip.			
PRD			
Lining			
Rule 88			
Stub Sill			T

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length	Width	Depth	Thru
-	Defect type?	Shape?	Possible Cause?			· · · · · · · · · · · · · · · · · · ·
2	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?		<u></u>	
3	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
4	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?	· · · · · · · · · · · · · · · · · · ·		
5	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
6	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?			
7	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?		······	
8	Affected?	Location?	Dimensions: Length	Width	Depth	
-	Defect type?	Shape?	Possible Cause?		•	

2. Was this tank car exposed to fire? (Indicate one) Yes

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? _____% Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to? _____

6. To what degree did the car roll? Initially _____ degrees and stopped at _____

7. Distance traveled from track center? B-end? ______A-end? _____Center?_____

8. Brief description of details of surfaces tank was exposed to in transit to present location? E.g. mud, track, rocks, etc...



Federal Railroad Administration Tank Car Damage Assessment Form

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal

a	Type of damaged valve?	Manufacturer?	Cause?	<u></u>
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	· · · · · · · · · · · · · · · · · · ·
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All values intact and good condition



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_____

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
с	Type of damaged valve?	Manufacturer?	Cause?	·
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
е	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Other information or description deemed pertinent by inspector:

All Bou, nozzle, and handle in place good condition



Reporting Marks	CBLX	741697	427	Car Location City/State		
Date inspected	3/3/15	Railroad		DOT Specification		
Last Contained				Was product released?		
(Indicate One)	Jacket			Does car contain product		
Car builder		Stub	Sill Design		Built Date	2
Capacity (GAL)				LD Limit (LB)		

Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END

Top Center Line	
Bottom Center Line	
Right Center Line	
Left Center Line	





Station Stencil	Qual.	Due
	Station Stencil	Station Stencil Qual.

TANK OR JACKET DAMAGE

1. Document estimated location of damage on Figures located on page 1 of this report and document dimensions coinciding with number below. (photos should be numbered and attached to coincide with numbers below)

1.	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
2	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
3	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
4	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
5	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
6	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
7	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?
8	Affected?	Location?	Dimensions: Length Width Depth
-	Defect type?	Shape?	Possible Cause?

2. Was this tank car exposed to fire?

3. How long was the car exposed to fire?

4. What percentage/locations of the tank were exposed to fire? Indicate location in figures on page 1.

5. What material burned to create the fire that the car was exposed to?

To what degree did the car roll? Initially \bigcirc degrees and stopped at \bigcirc 6.

Distance traveled from track center? B-end? _______ A-end? ______ Center? ______ 7.



Brief description of details of surfaces tank was exposed after derailment? E.g. mud, track, rocks, etc... 8.

VALVE DAMAGE

Utilize Form TCAD-1.2 and supplement description as indicative of damage below:

TOP

1. Number of damaged valves?_____ Document station stencil if other than qual. Decal _____

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Sketch in dome or dual housing arrangement information in relation to valve location in provided figure. Valve Lettering should coincide with lettering above, along with any attached pictures.

All valves intact with no damage



BOTTOM

2. Description of damage? Valve, Coils etc...____Document station stencil if other than qual. Decal_

a	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	N (see
b	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
c	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
d	Type of damaged valve?	Manufacturer?	Cause?	
-	Gasket Type?	O-ring type?	Serial Number	
e	Type of damaged valve?	Manufacturer?	Cause?	
	Gasket Type?	O-ring type?	Serial Number	

Other information or description deemed pertinent by inspector:

Bov nozzie no damage/BOV interct no damage/BOV handle in place no damage