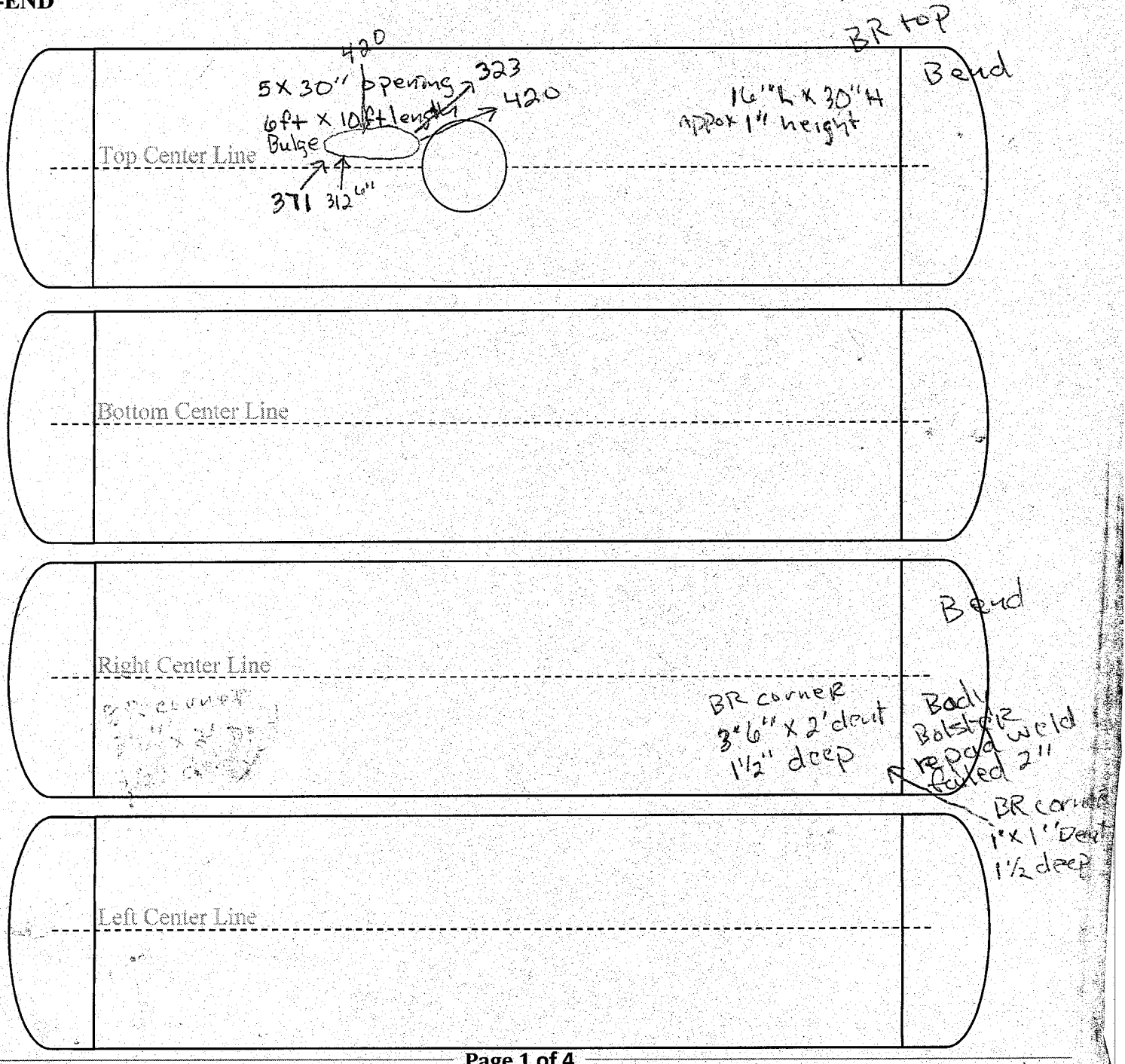
National Transportation Safety Board
Tank Car Damage Assessment Form

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

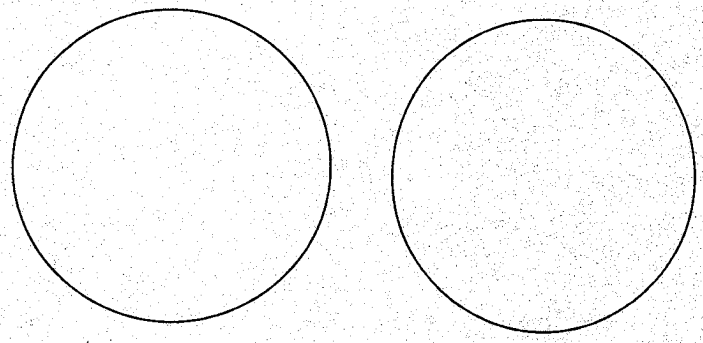
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

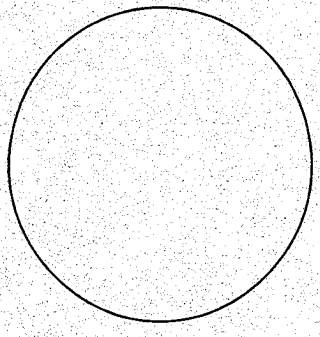
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 values good condition with only flame damage/manway cover good condition no mechanical 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:

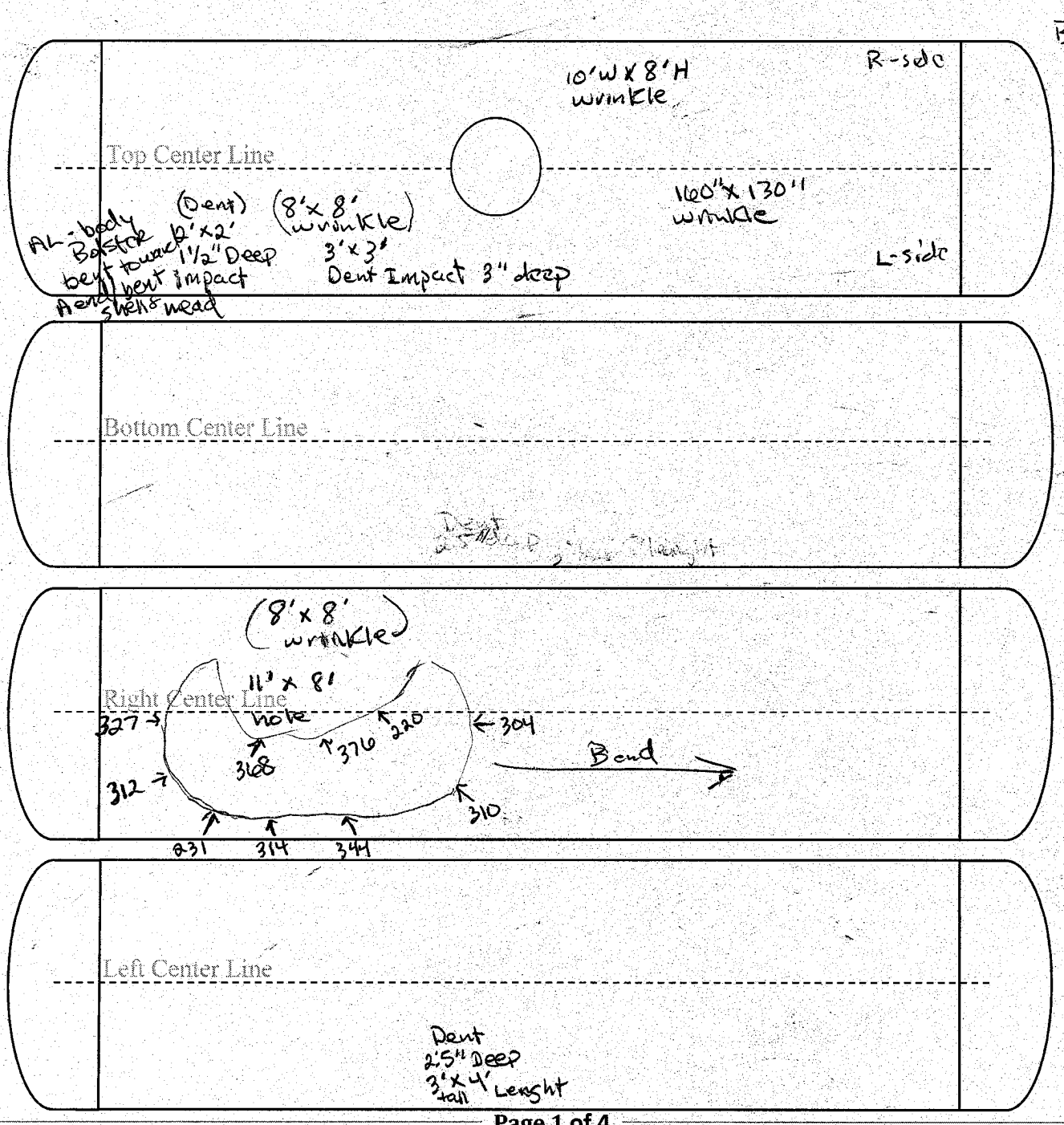
Bottom outlet valve handle in place/ BOV nozzle sheared off BOV closed handle/valve secured intact

National Transportation Safety Board
Tank Car Damage Assessment Form

Reporting Marks	DCBTX 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)		

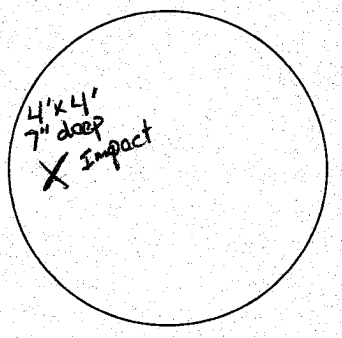
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END

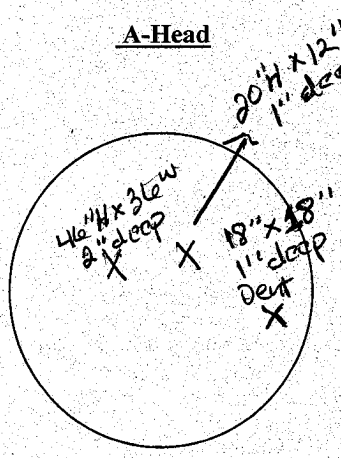


National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head



A-Head



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

Comments:

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 ☐°**
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

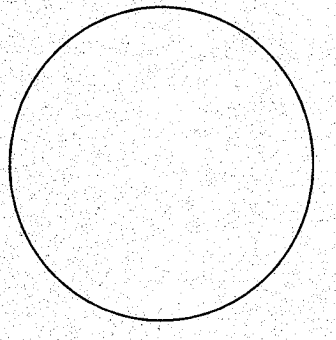
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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.

Protective housing cover bent inward/ heavy flame damage on All Valves/ mwb burnt down to Approx 3/8/ Thermal ox to top 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		
e	Type of damaged valve?		Manufacturer?		Cause?		
	Gasket Type?		O-ring type?		Serial Number		

Other information or description deemed pertinent by inspector:

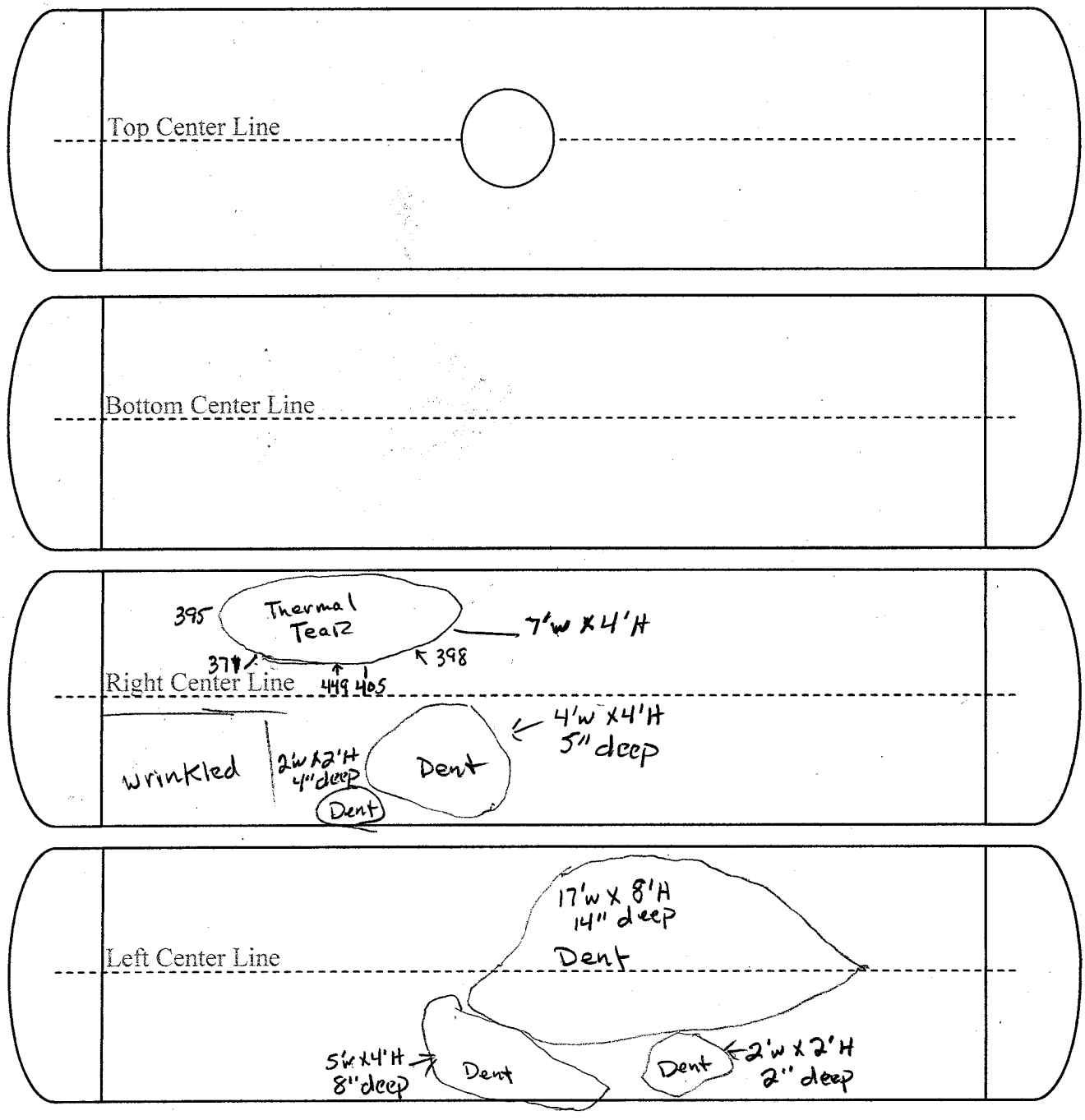
Bottom outlet valve good condition everything intact

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)		

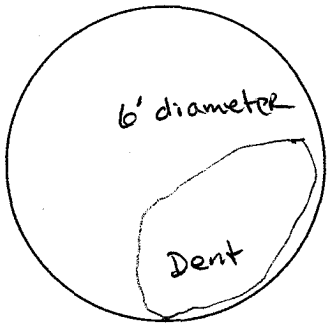
"Type of Damage and indicate number on figures below within damaged areas. (sketched in by inspector)

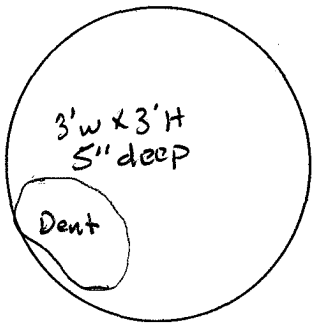
A-END



Federal Railroad Administration
Tank Car Damage Assessment Form

B-Head **A-Head**





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

Comments:

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

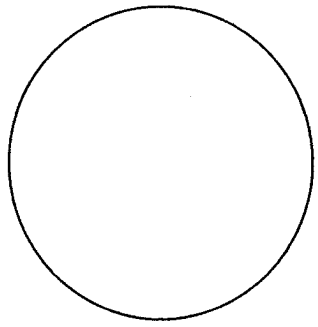
1. **Number of damaged valves?___ _____ Document station stencil if other than qual. Decal**

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	
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



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, and handle intact w/o damage

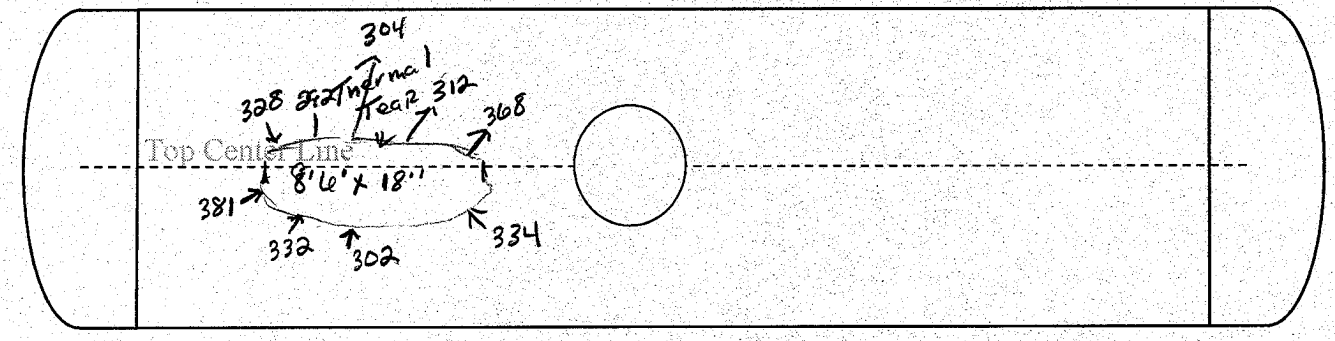
Inspector's Name (print) _____ Inspector's Signature _____

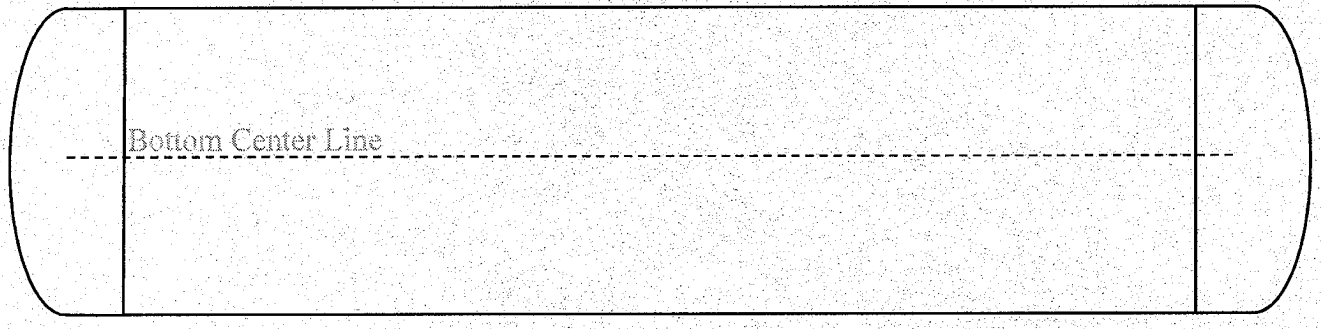
National Transportation Safety Board
Tank Car Damage Assessment Form

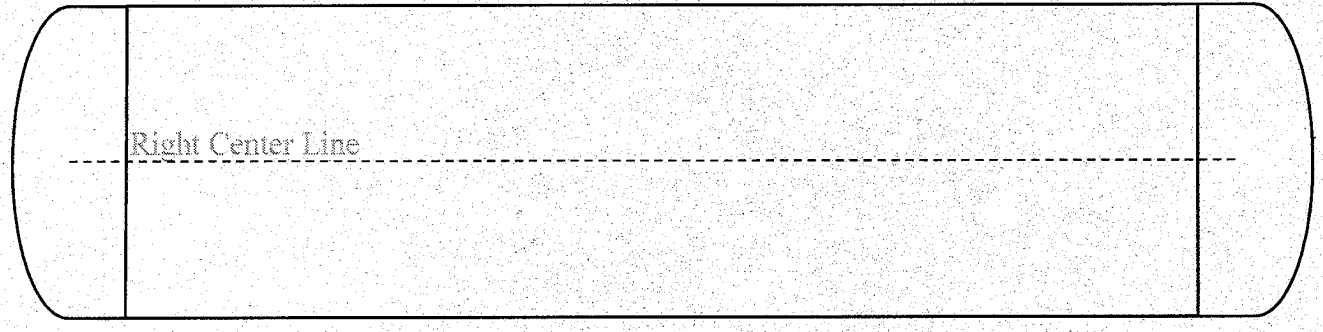
Reporting Marks	GATX 286292		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

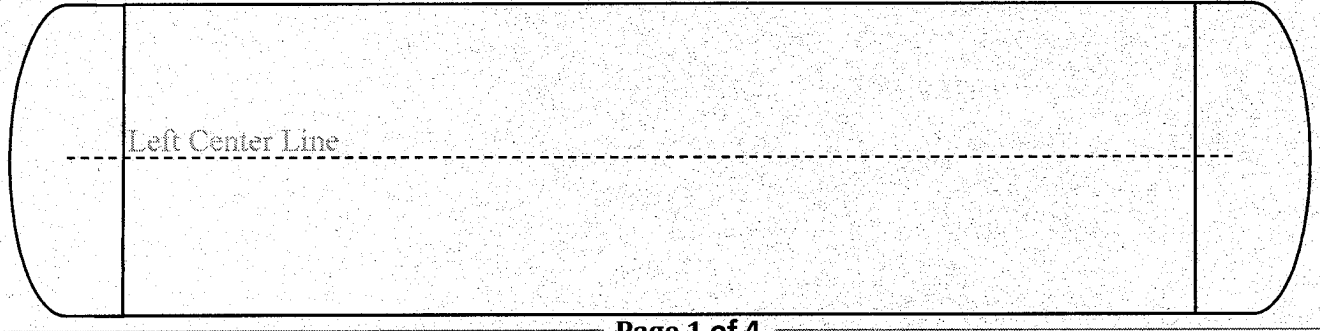
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



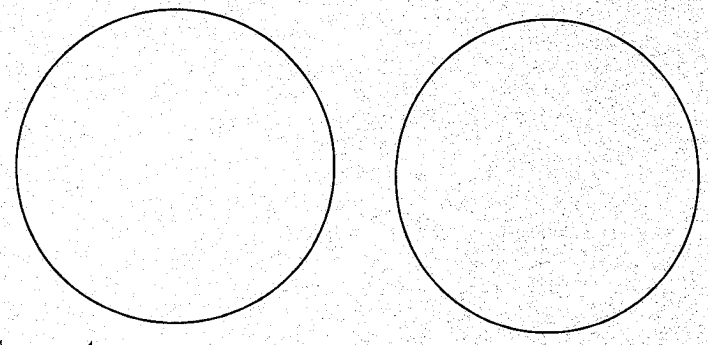






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 [ ]°**
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

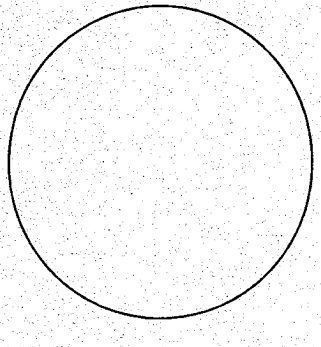
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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.

Valves all intact/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:

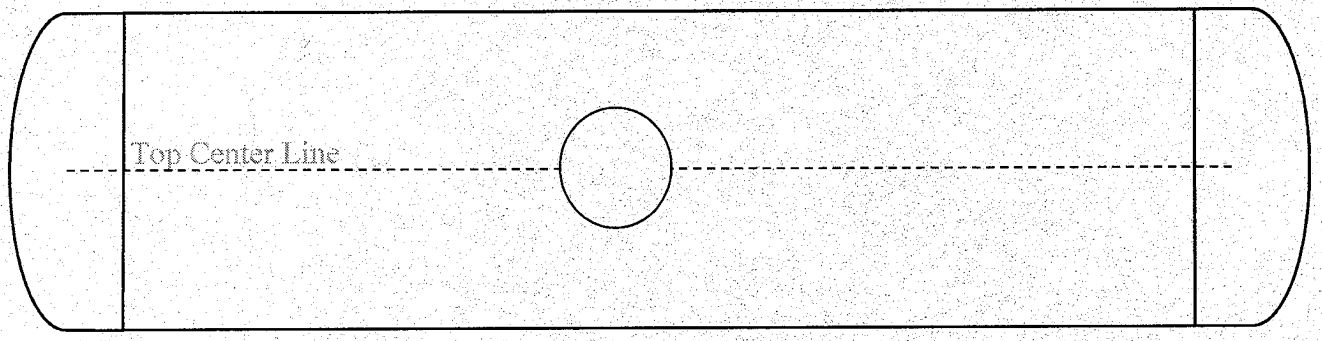
Skid protection slight dent/valve handle closed/valve good condition

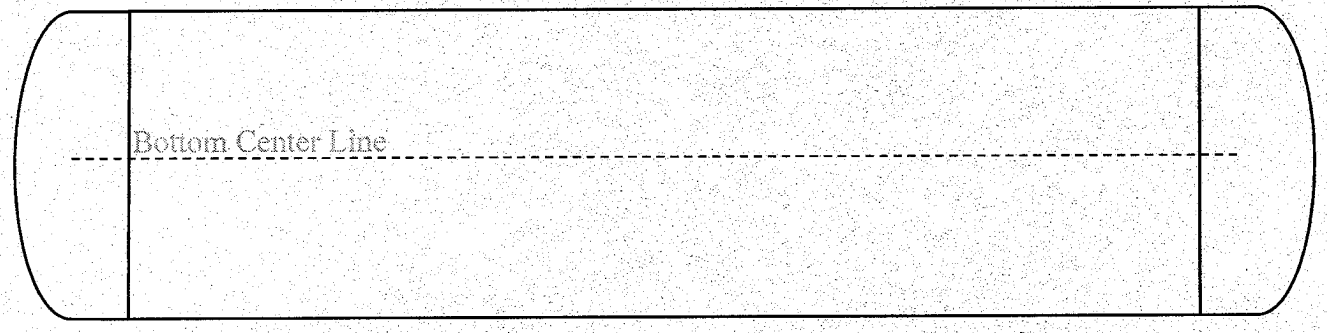
National Transportation Safety Board
Tank Car Damage Assessment Form

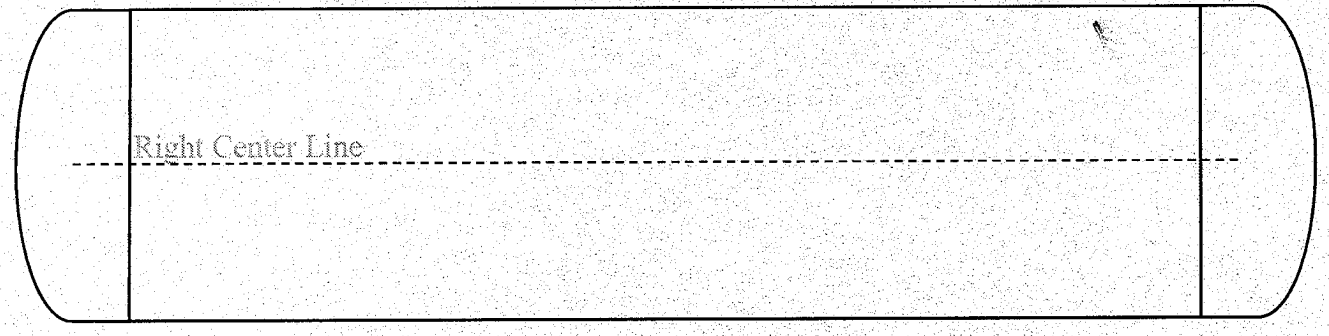
Reporting Marks	CBTX 742201		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification	DOT 111S 100W1	
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

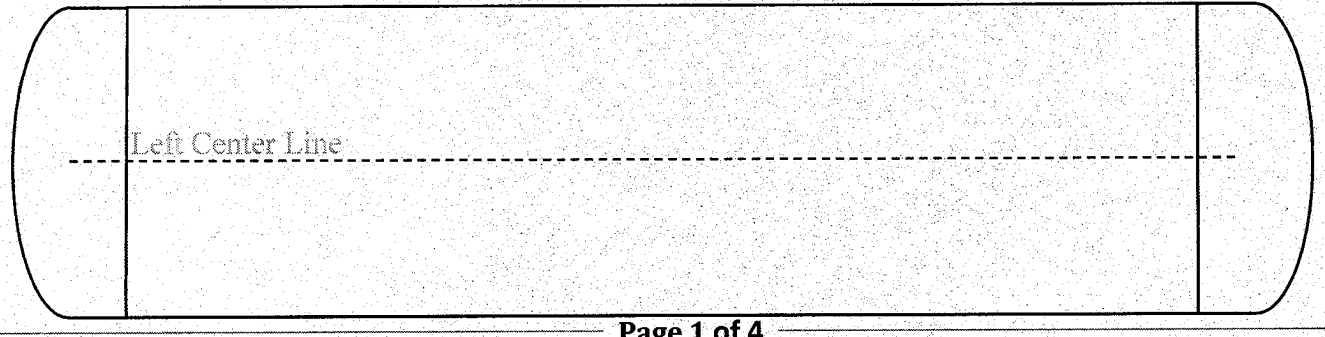
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END No derailment damage except mechanical / safety appliances



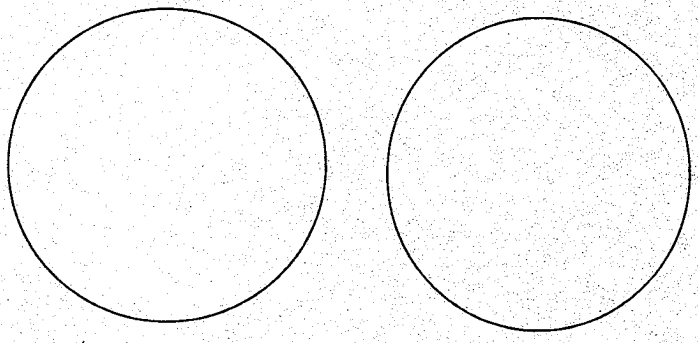






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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:

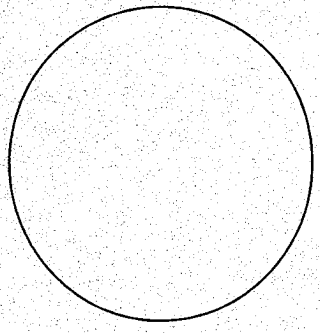
TOP

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.

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		

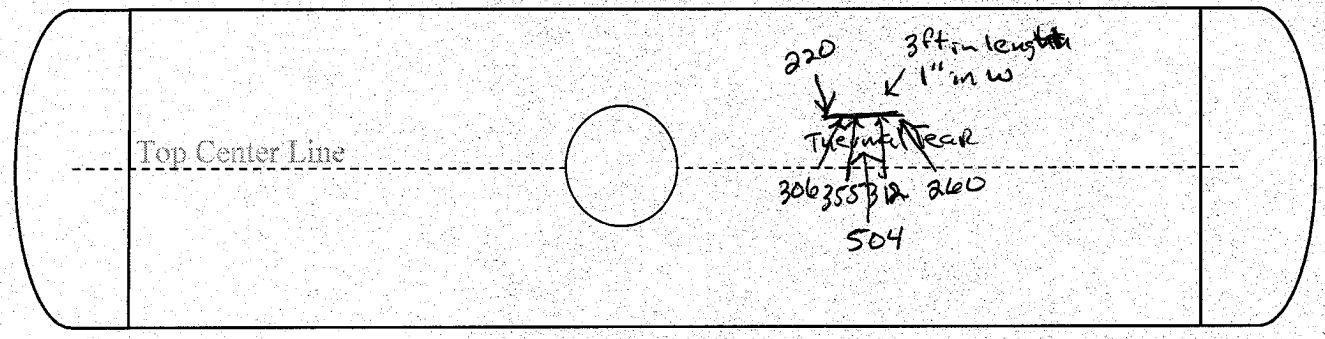
Other information or description deemed pertinent by inspector:

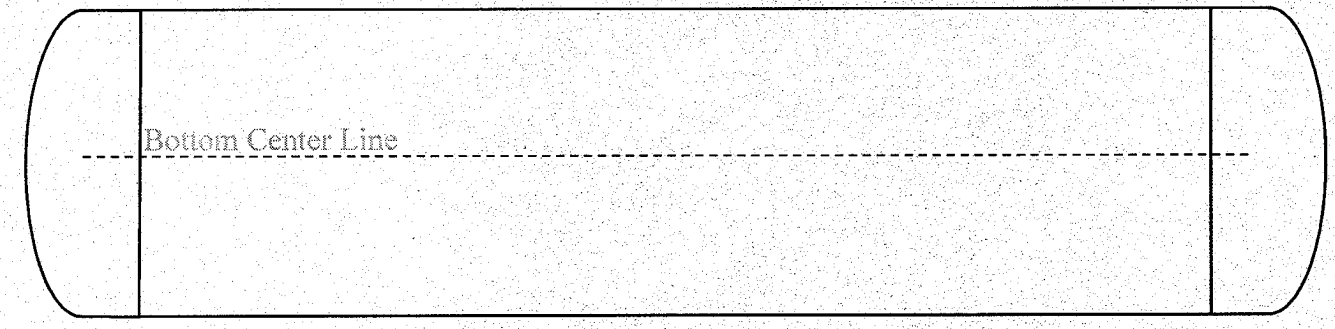
National Transportation Safety Board
Tank Car Damage Assessment Form

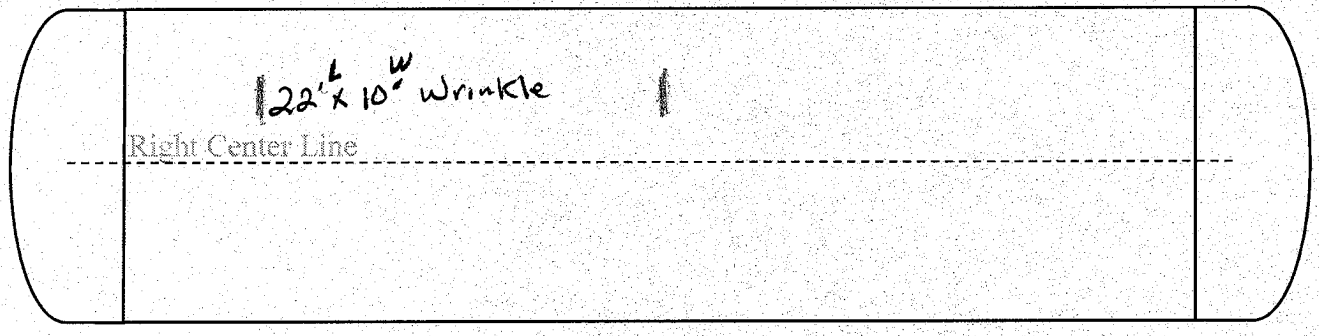
Reporting Marks	CBTX 741926			Car Location City/State	
Date inspected	3/3/15	Railroad		DOT Specification	
Last Contained				Was product released?	
(Indicate One)	Jacket			Does car contain product	
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)				LD Limit (LB)	

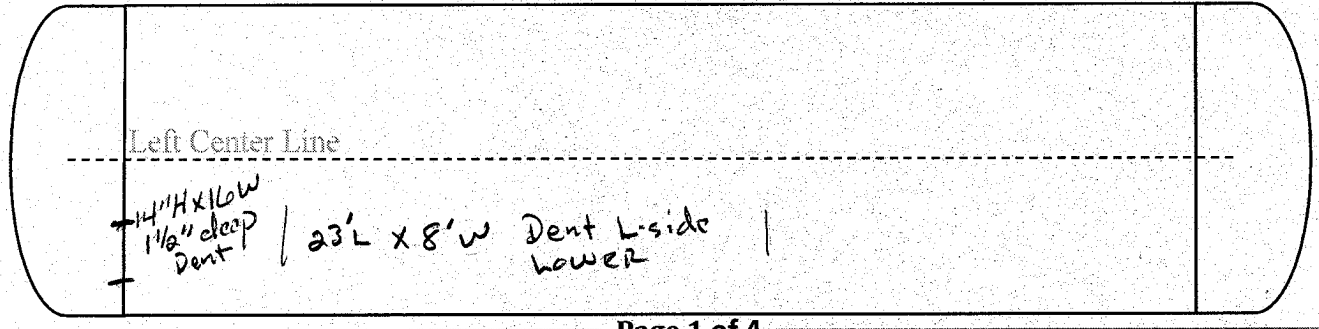
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



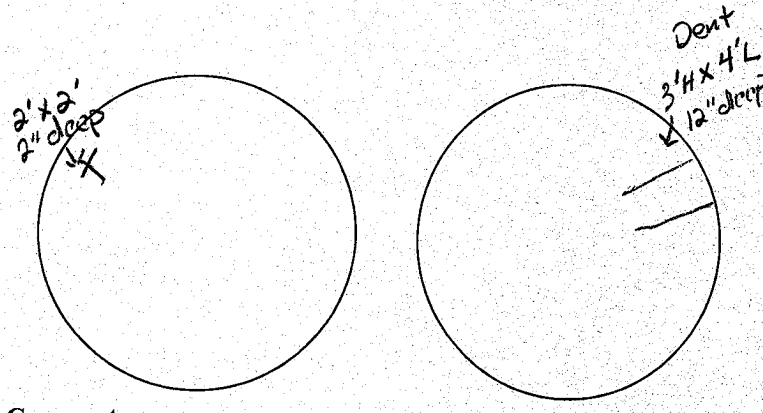






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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** ☐°
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:

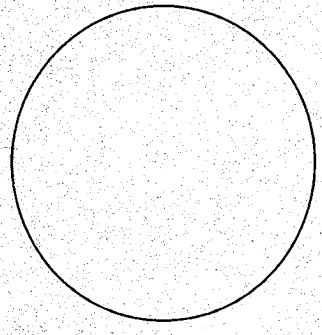
TOP

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.

BOV intact closed good condition/handle in place secured
BOV nozzle sheared/ sipeon pipe with liquid line
Valve pushed upward approx 10"/TIC slightly
compressed on 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		

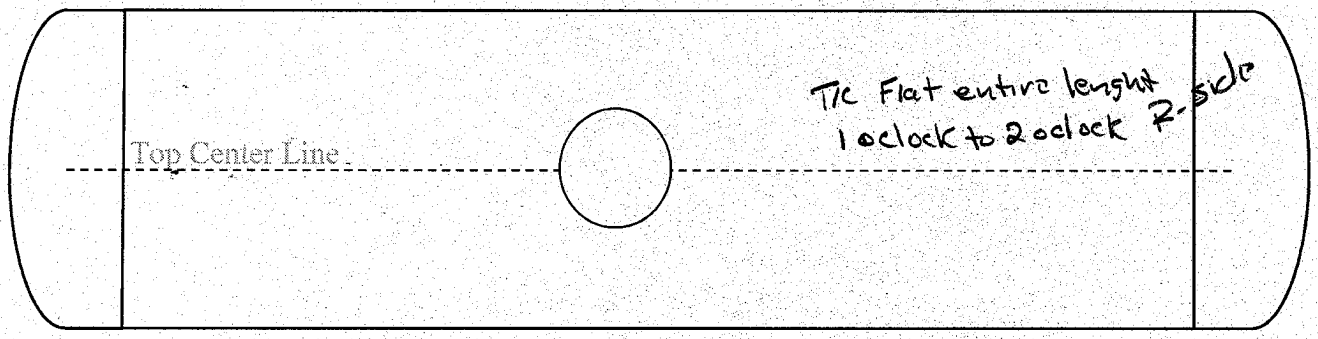
Other information or description deemed pertinent by inspector:

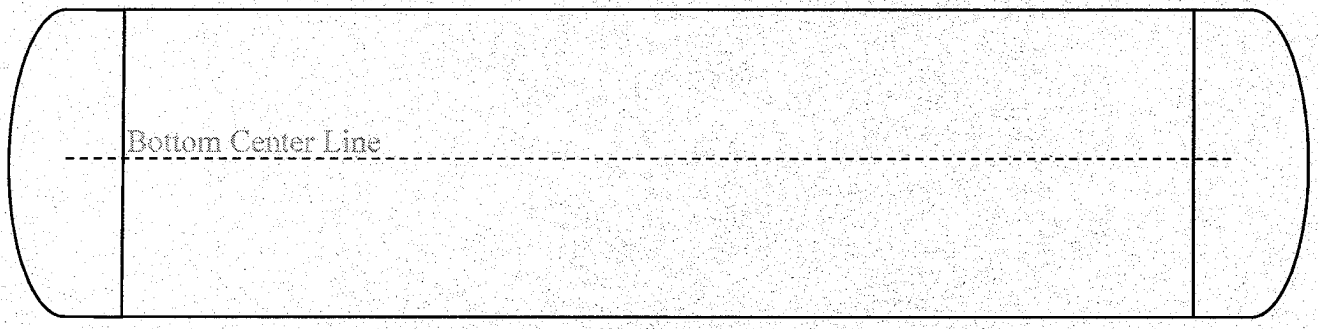
National Transportation Safety Board
Tank Car Damage Assessment Form

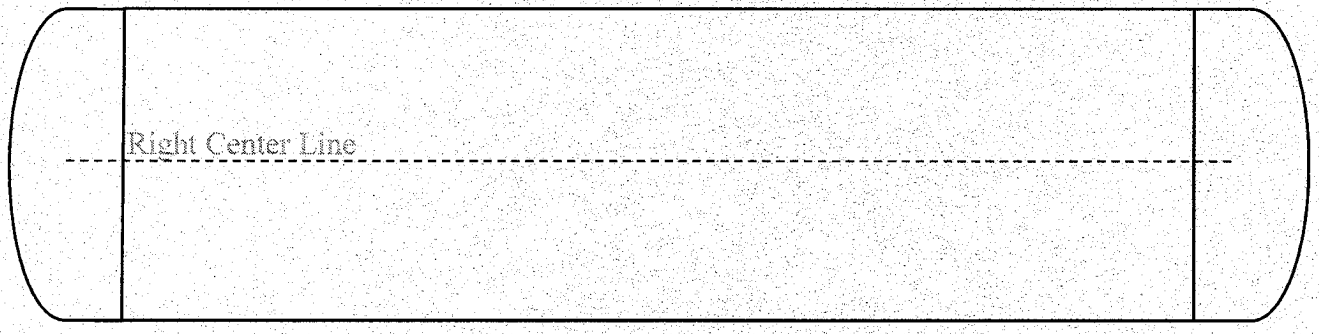
Reporting Marks	CBTX 742774			Car Location City/State	
Date inspected	3/3/15	Railroad		DOT Specification	DOT 111S100W1
Last Contained				Was product released?	
(Indicate One)	Jacket			Does car contain product	
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)				LD Limit (LB)	

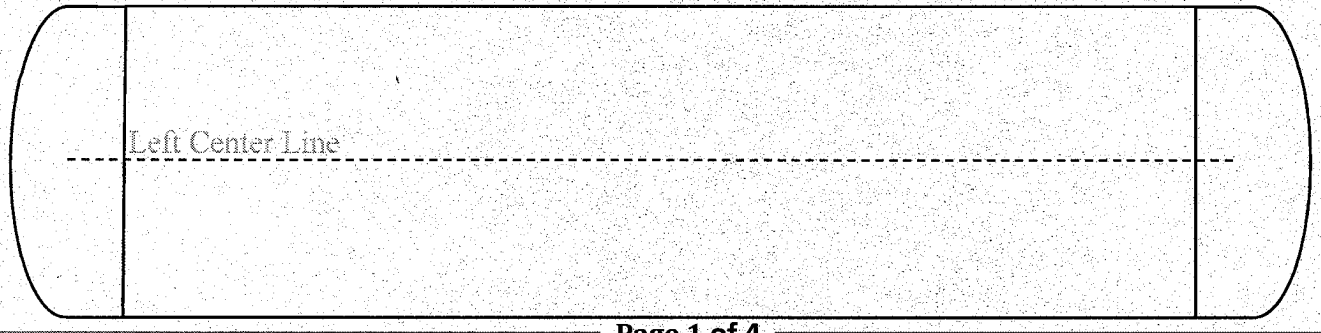
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



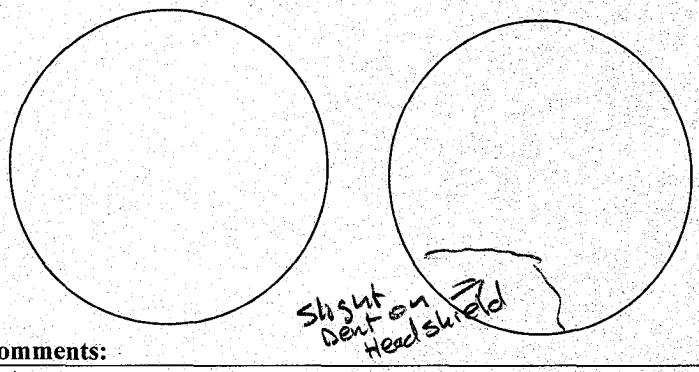






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

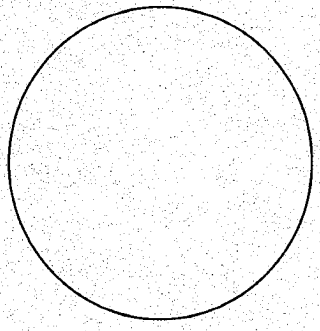
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 in good condition no issues with top

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:

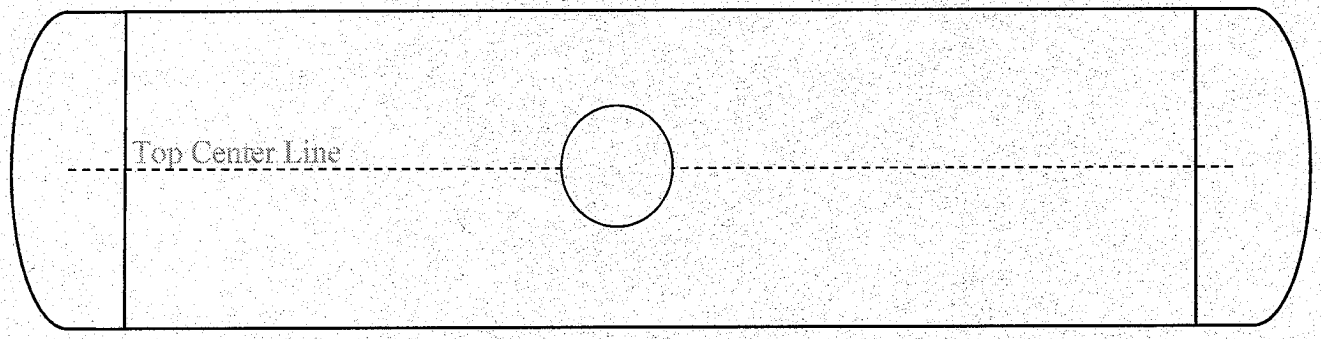
No issues with BOV or nozzle

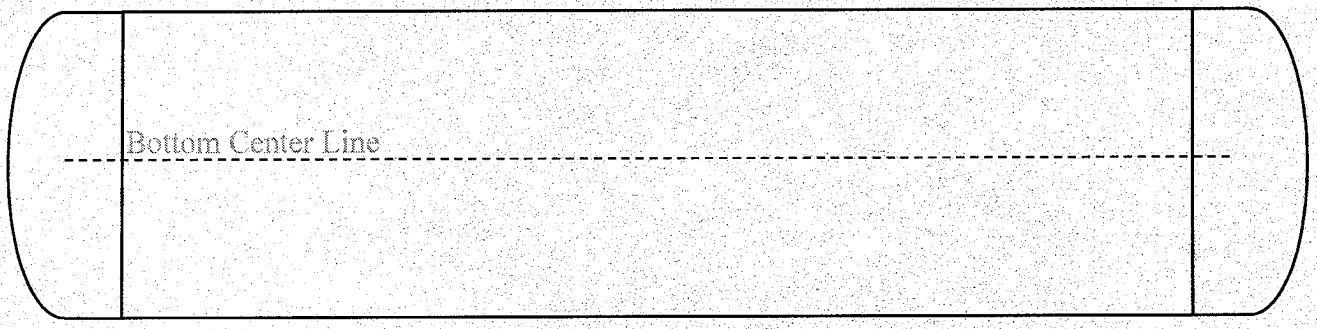
National Transportation Safety Board
Tank Car Damage Assessment Form

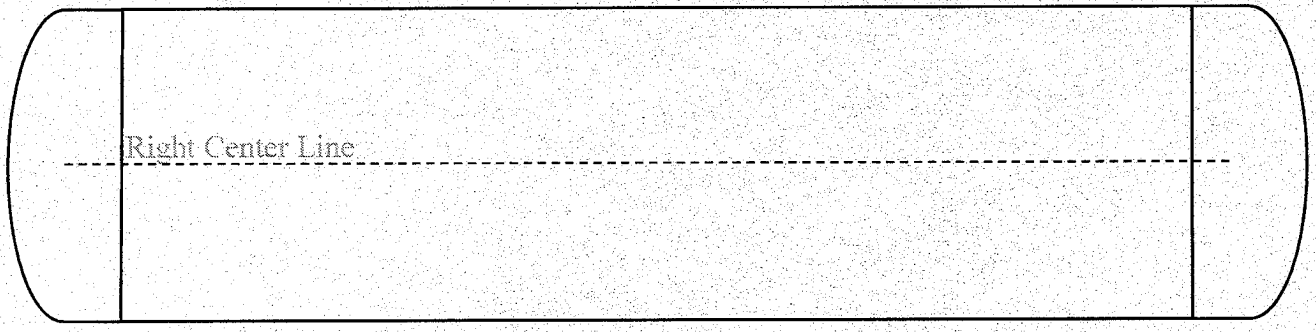
Reporting Marks	CBTX 742792		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

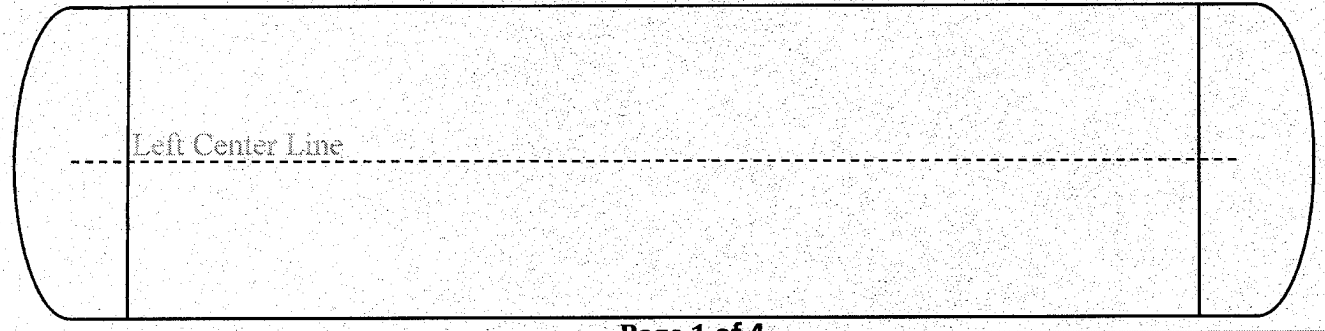
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



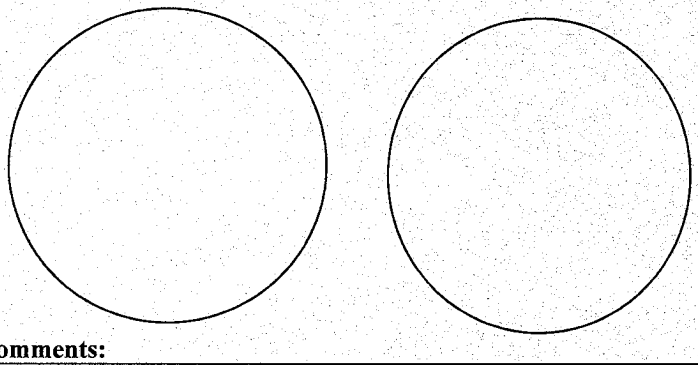






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

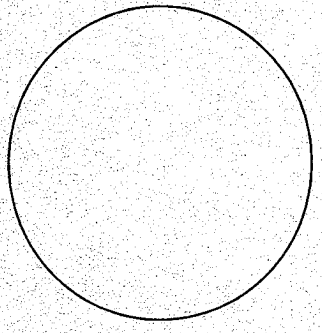
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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.

Top valves All 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?		
-	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:

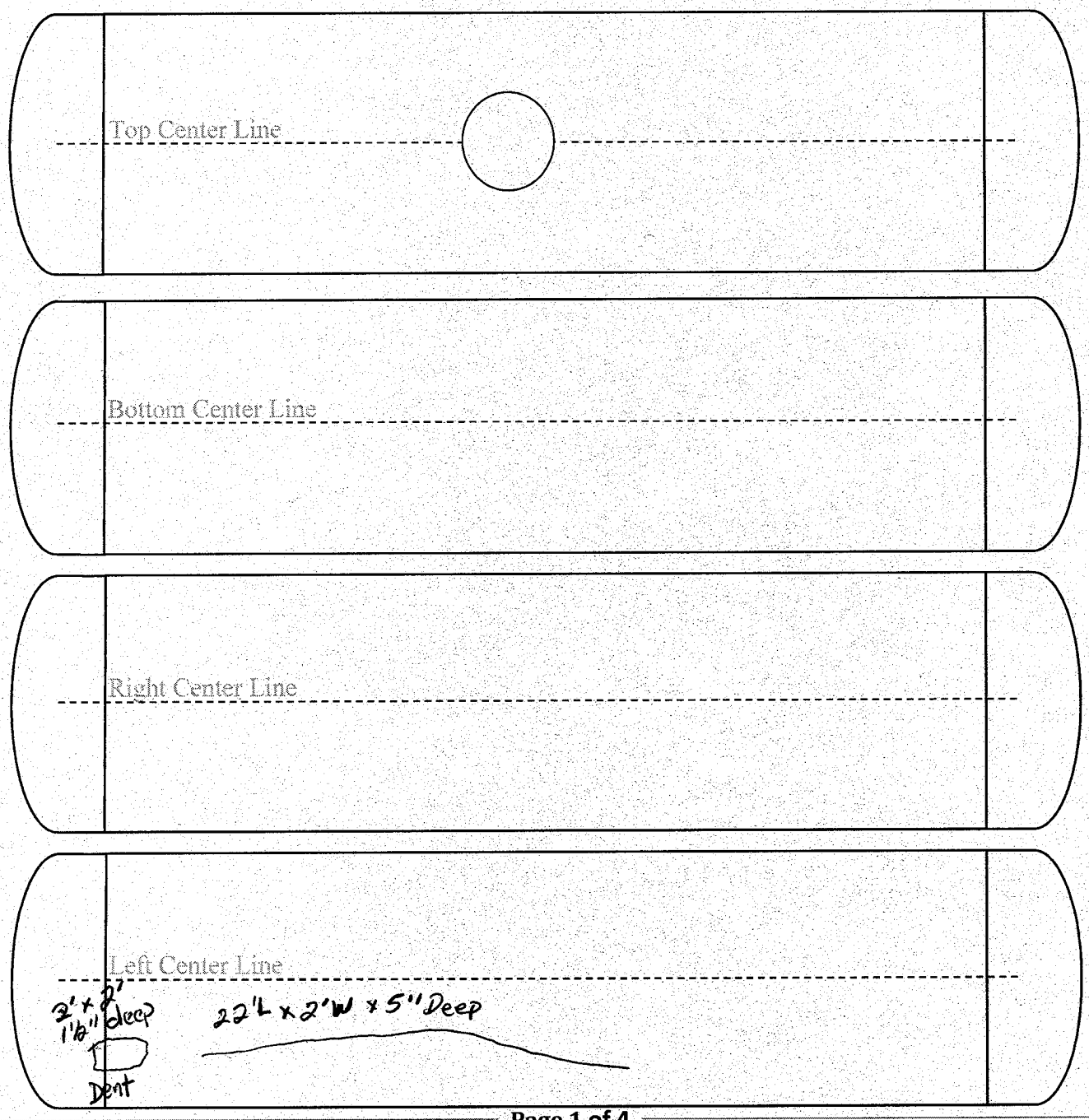
BOV all good condition except the BOV nozzle was sheared off

National Transportation Safety Board
Tank Car Damage Assessment Form

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)		

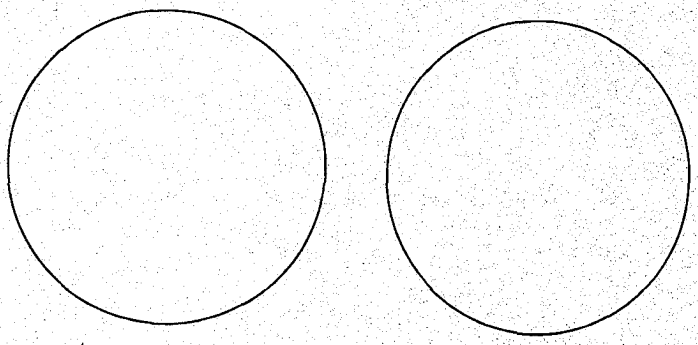
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 [ ]°**
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

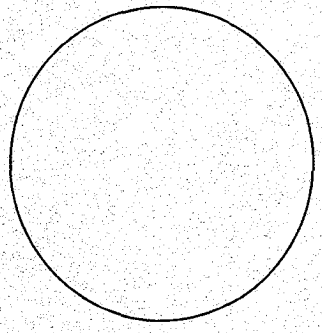
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 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?		
-	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:

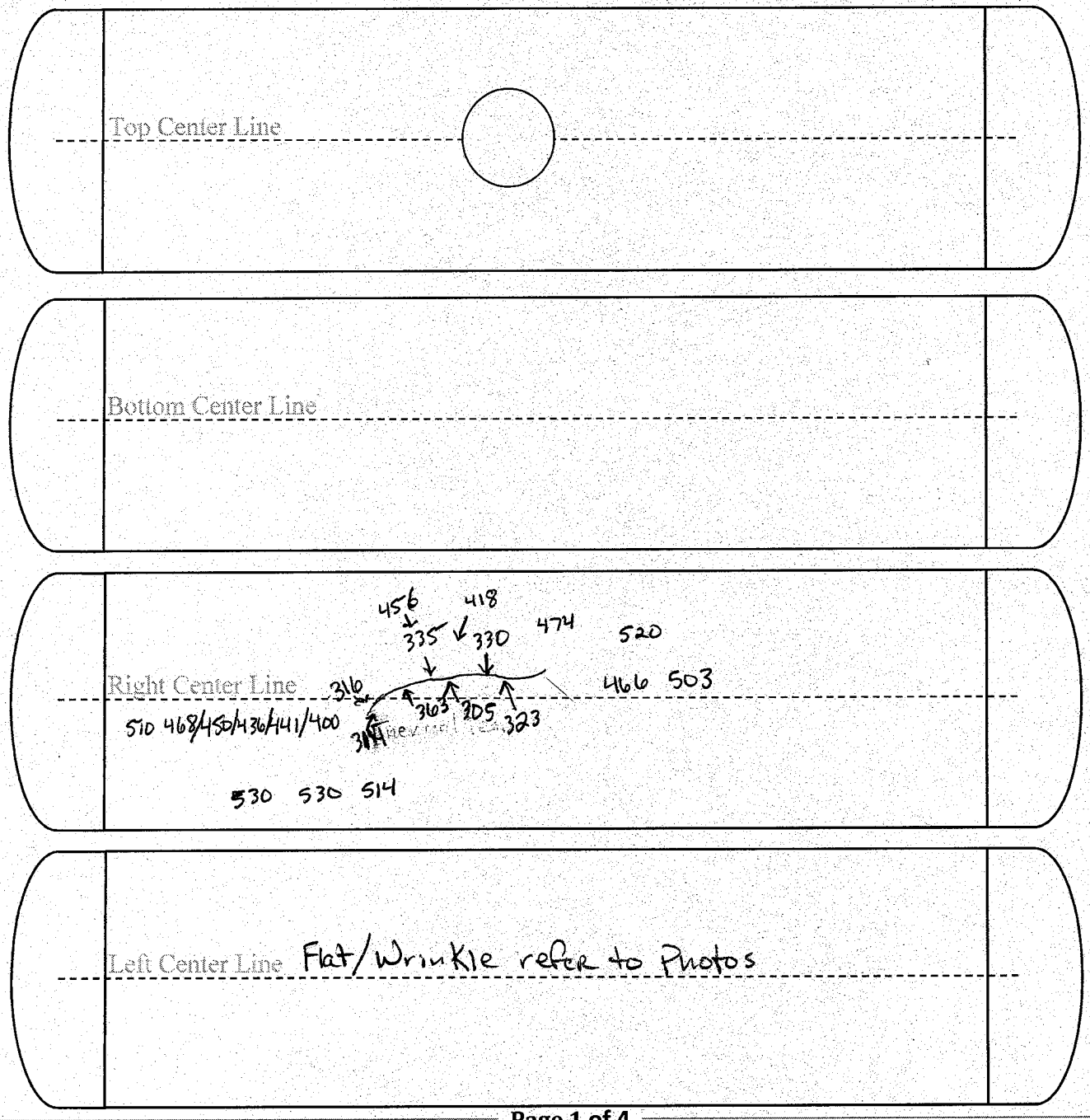
BOV nozzle sheared off BOV good condition

National Transportation Safety Board
Tank Car Damage Assessment Form

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)	

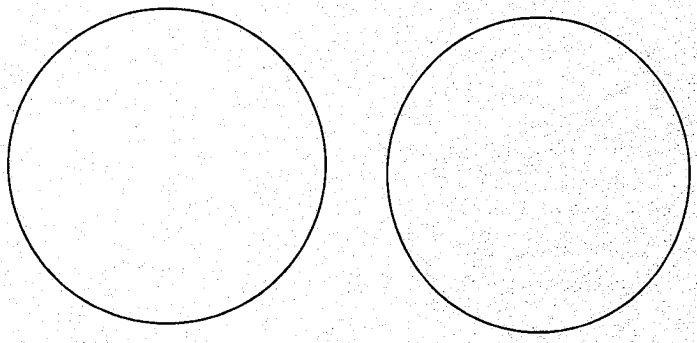
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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?						
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-	Defect type?		Shape?		Possible Cause?						
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-	Defect type?		Shape?		Possible Cause?						
4	Affected?		Location?		Dimensions:	Length		Width		Depth	
-	Defect type?		Shape?		Possible Cause?						
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-	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 ☐°**
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

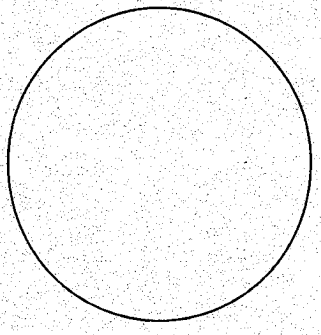
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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.

Valves are intact / heavy fire 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:

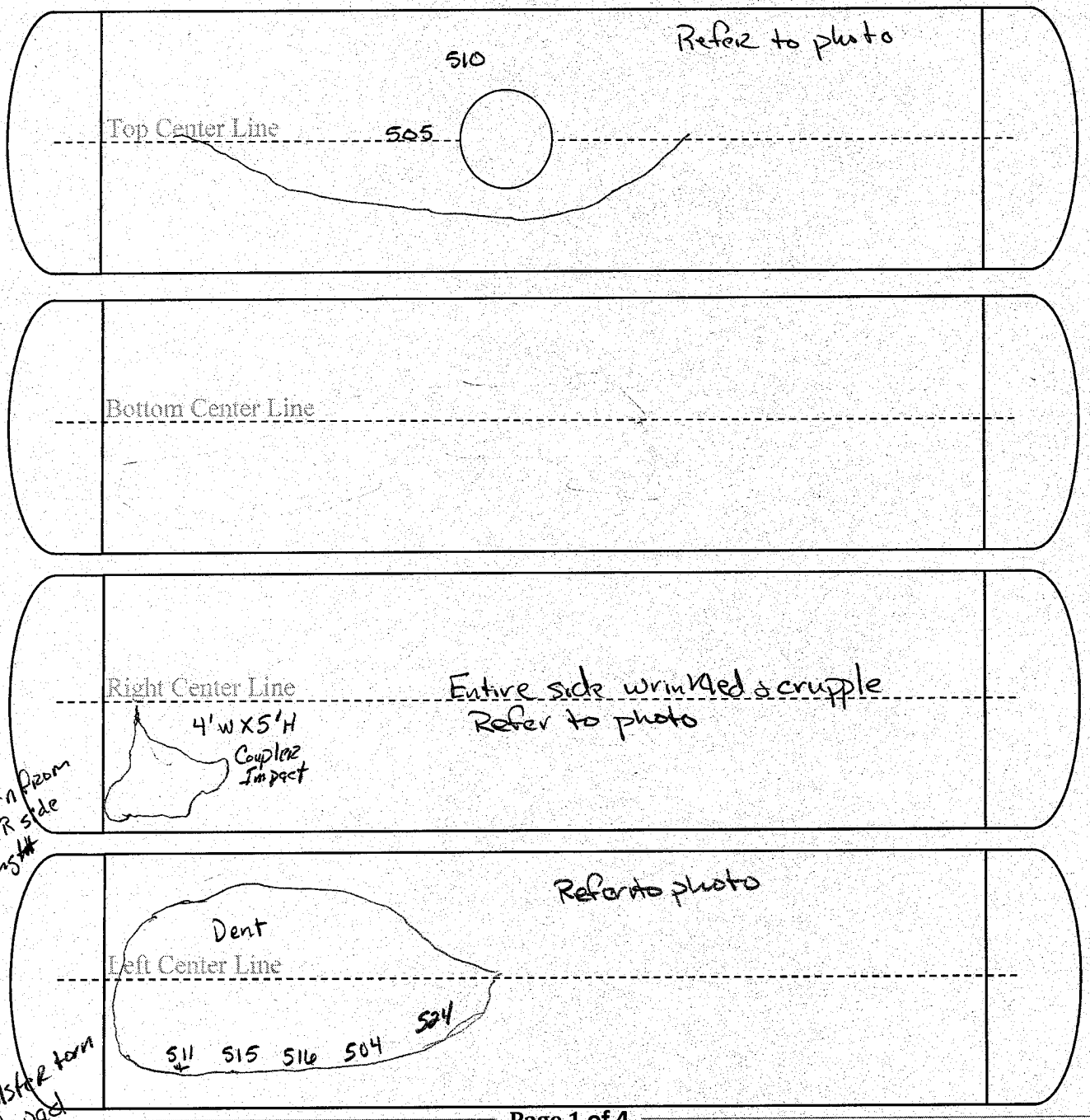
BOV fire damage to seat of valve

National Transportation Safety Board
Tank Car Damage Assessment Form

Reporting Marks	CTCX 743030		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)		

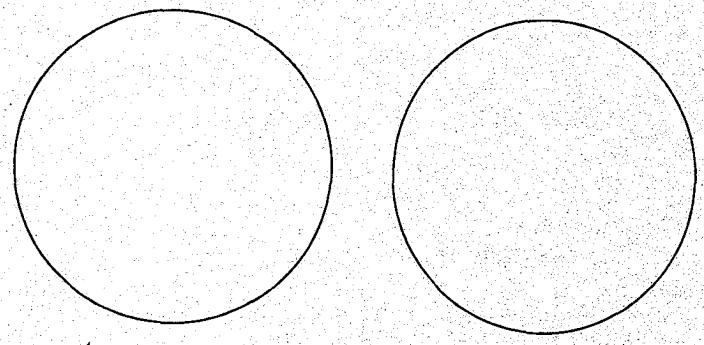
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 [ ]°**
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

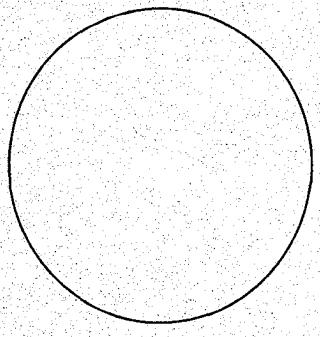
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with heavy fire 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 in place/handle inplace/sheared bottom off of BOV cap just above plug

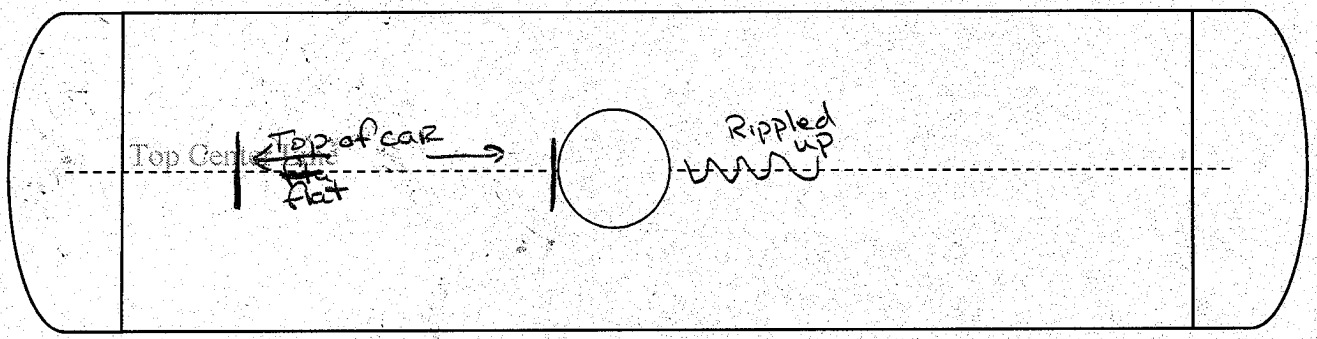
Intact

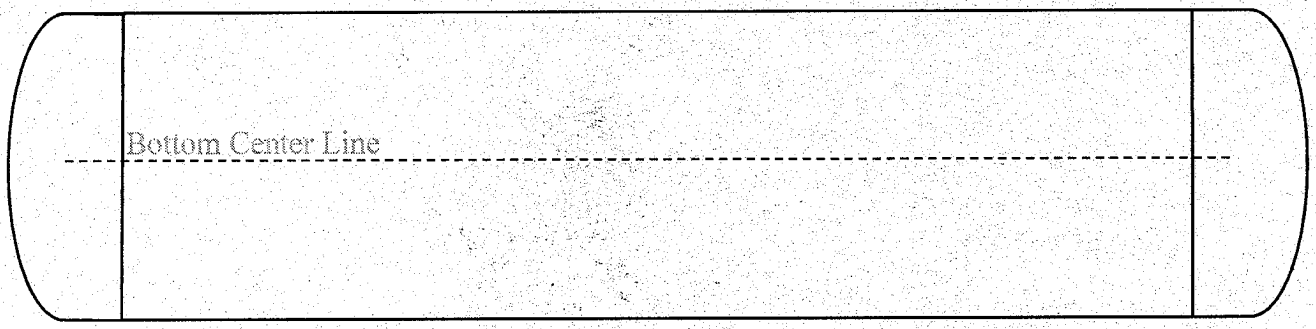
National Transportation Safety Board
Tank Car Damage Assessment Form

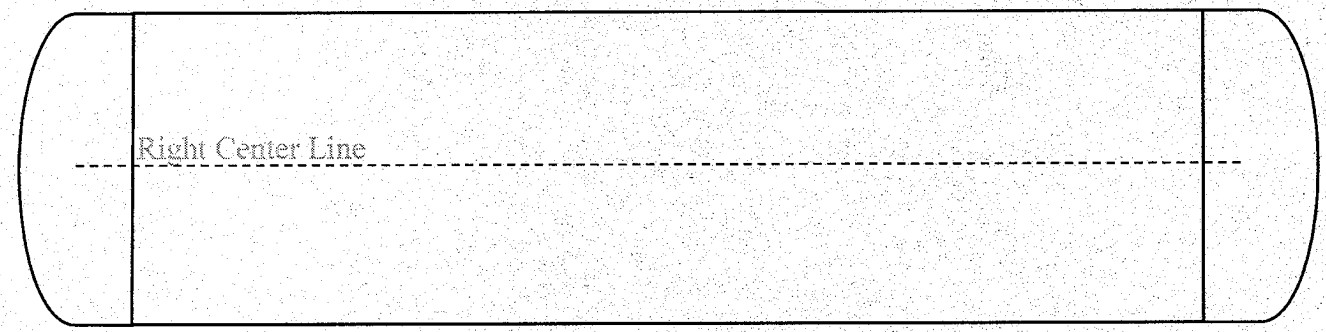
Reporting Marks	CBTX 741702		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

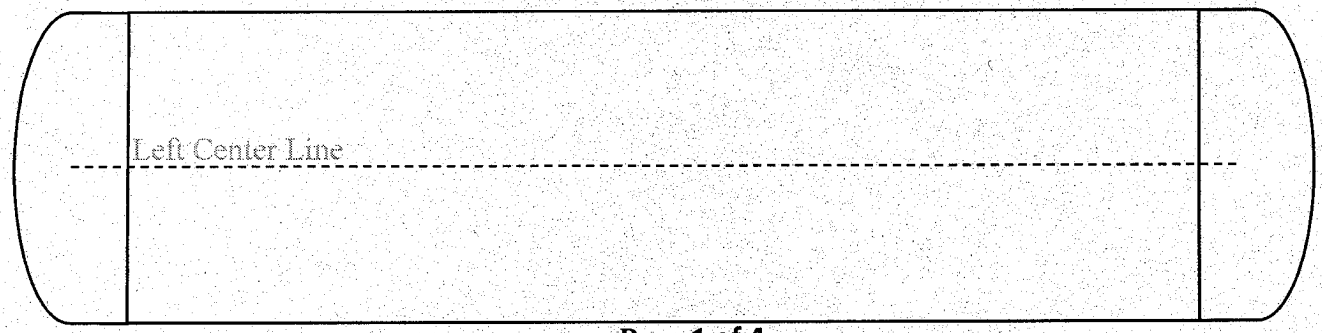
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



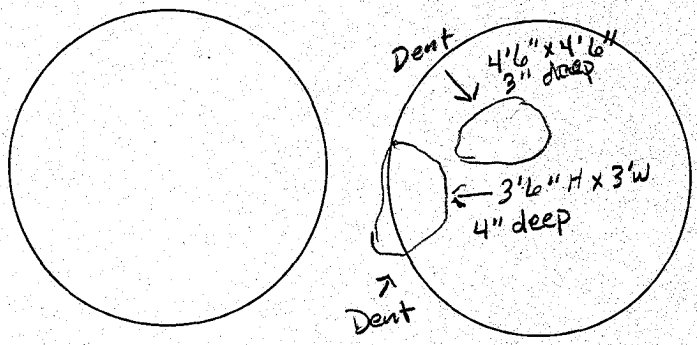






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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?						
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-	Defect type?		Shape?		Possible Cause?						
4	Affected?		Location?		Dimensions:	Length		Width		Depth	
-	Defect type?		Shape?		Possible Cause?						
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-	Defect type?		Shape?		Possible Cause?						
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-	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 ☐°**
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		
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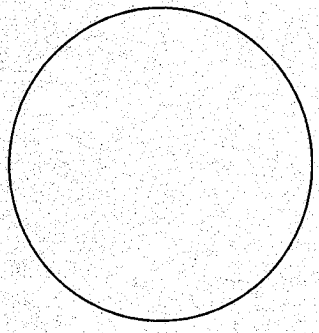
-	Gasket Type?		O-ring type?		Serial Number		
e	Type of damaged valve?		Manufacturer?		Cause?		
	Gasket Type?		O-ring type?		Serial Number		

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 approx 5"/All other valves intact with heavy fire 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:

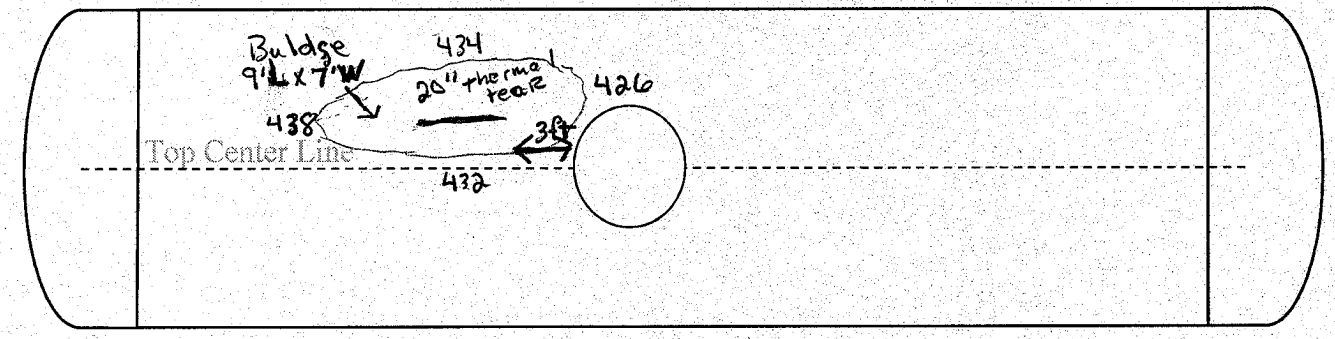
BOV good condition no issues

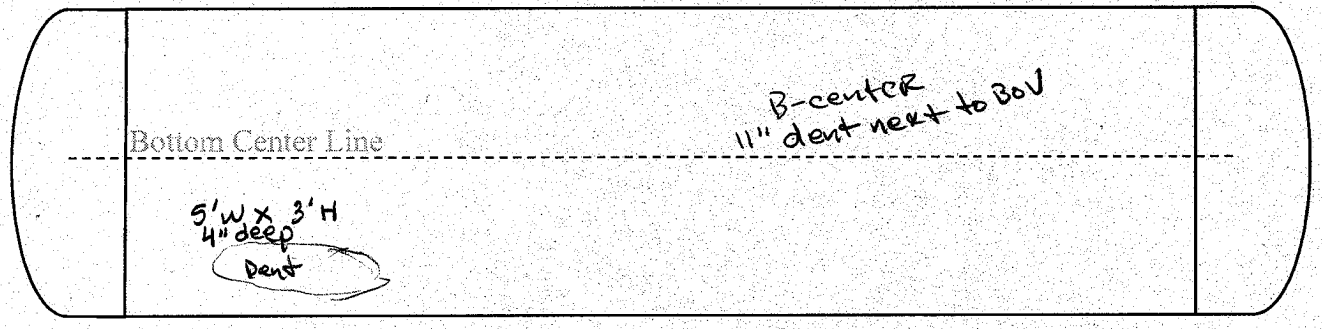
National Transportation Safety Board
Tank Car Damage Assessment Form

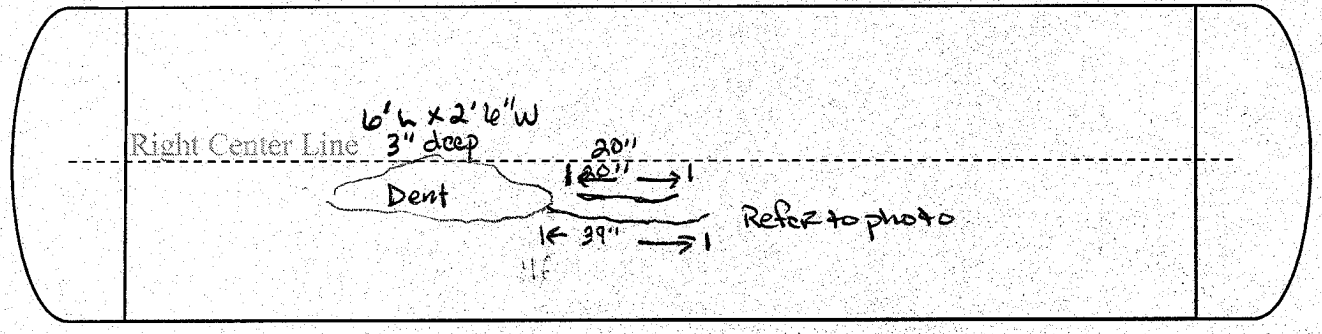
Reporting Marks	CBTX 741944		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

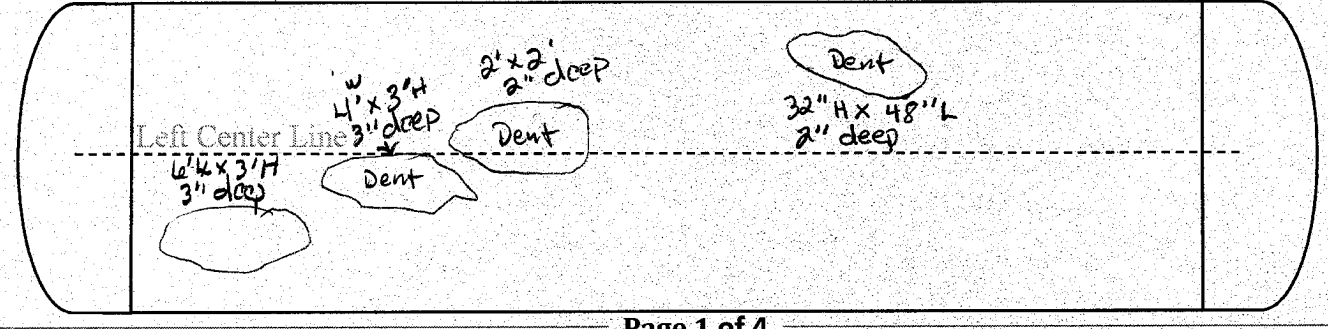
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



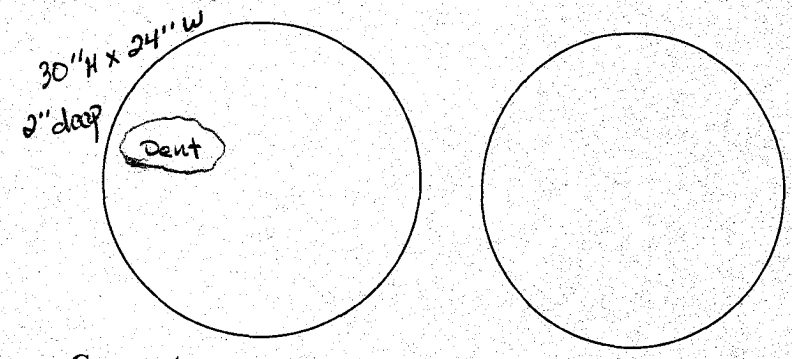






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

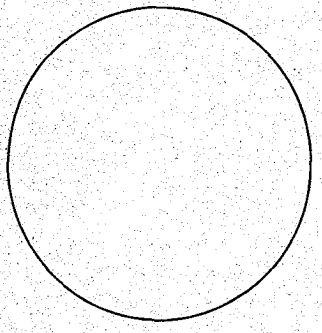
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with heavy fire 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:

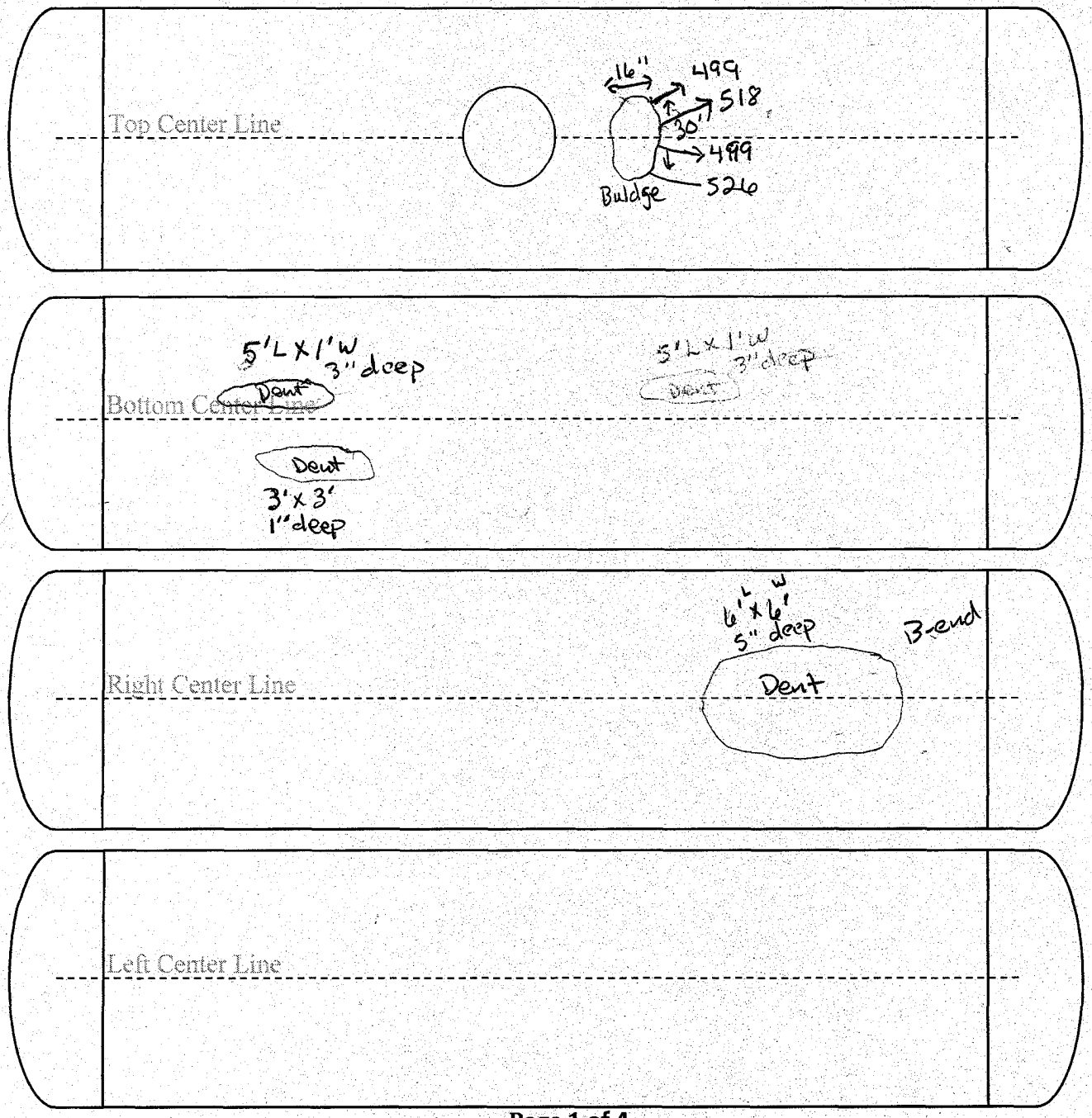
BOV nozzle sheared off / handle intact / valve in closed position intact

National Transportation Safety Board
Tank Car Damage Assessment Form

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)		

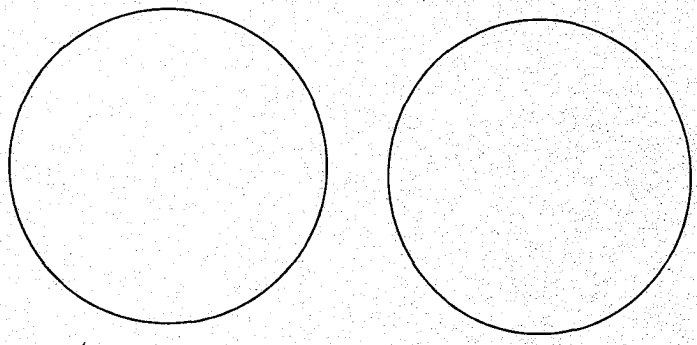
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

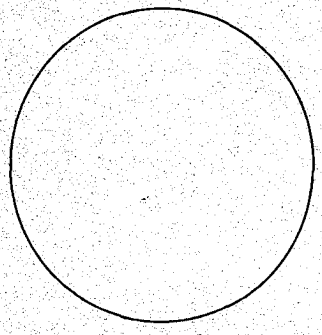
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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 good condition with slight fire 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:

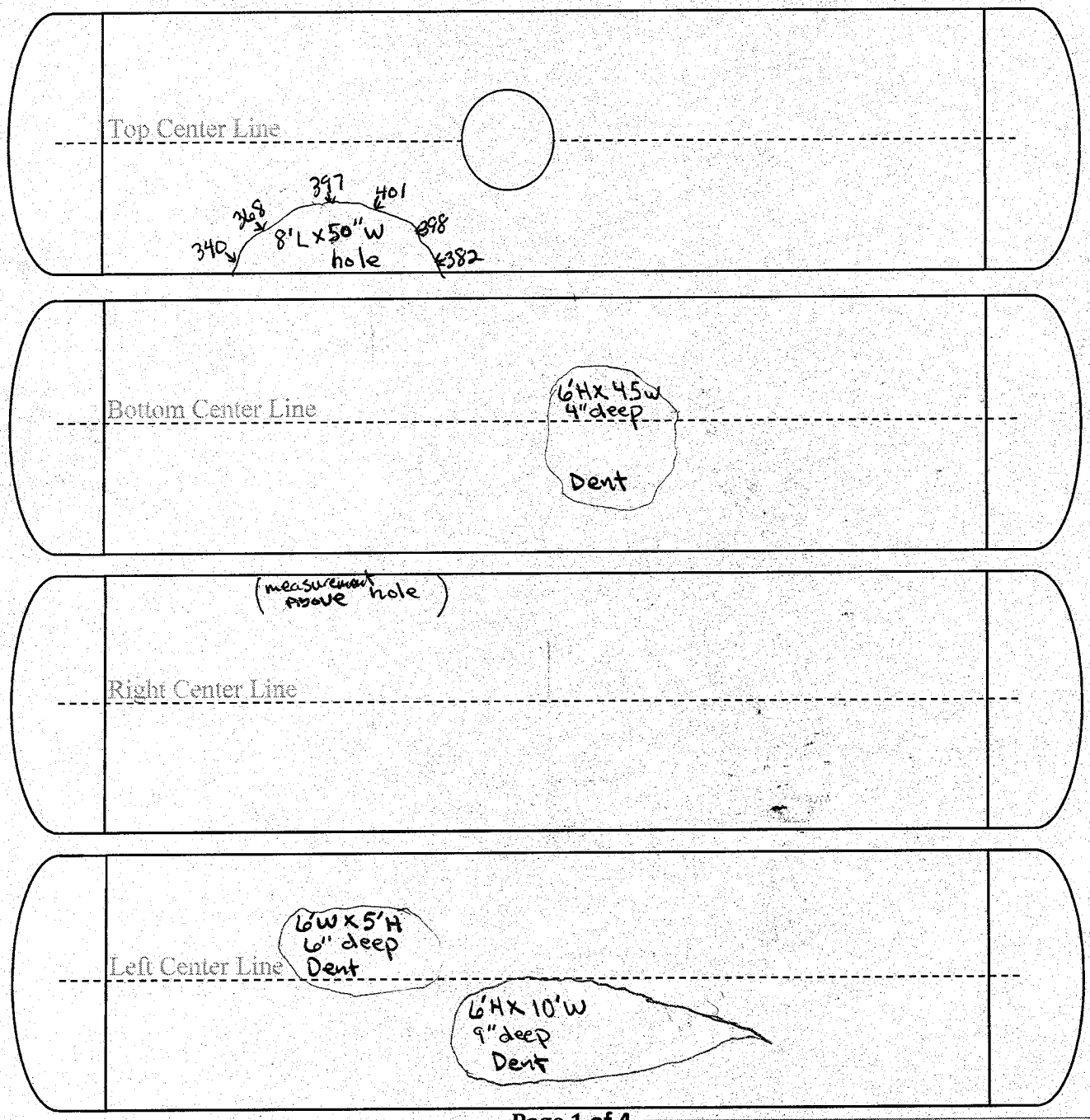
BOV nozzle sheared and dislodged ball of valve leaked

National Transportation Safety Board
Tank Car Damage Assessment Form

Reporting Marks	CBTX 741516		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)		

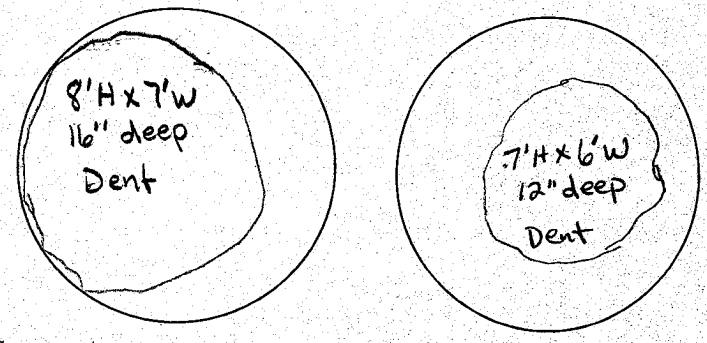
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

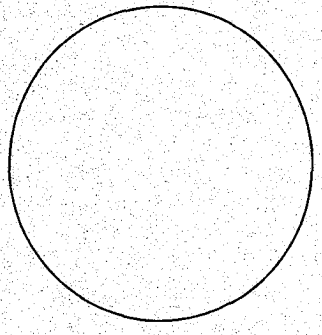
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal**_____

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 with heavy fire 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:

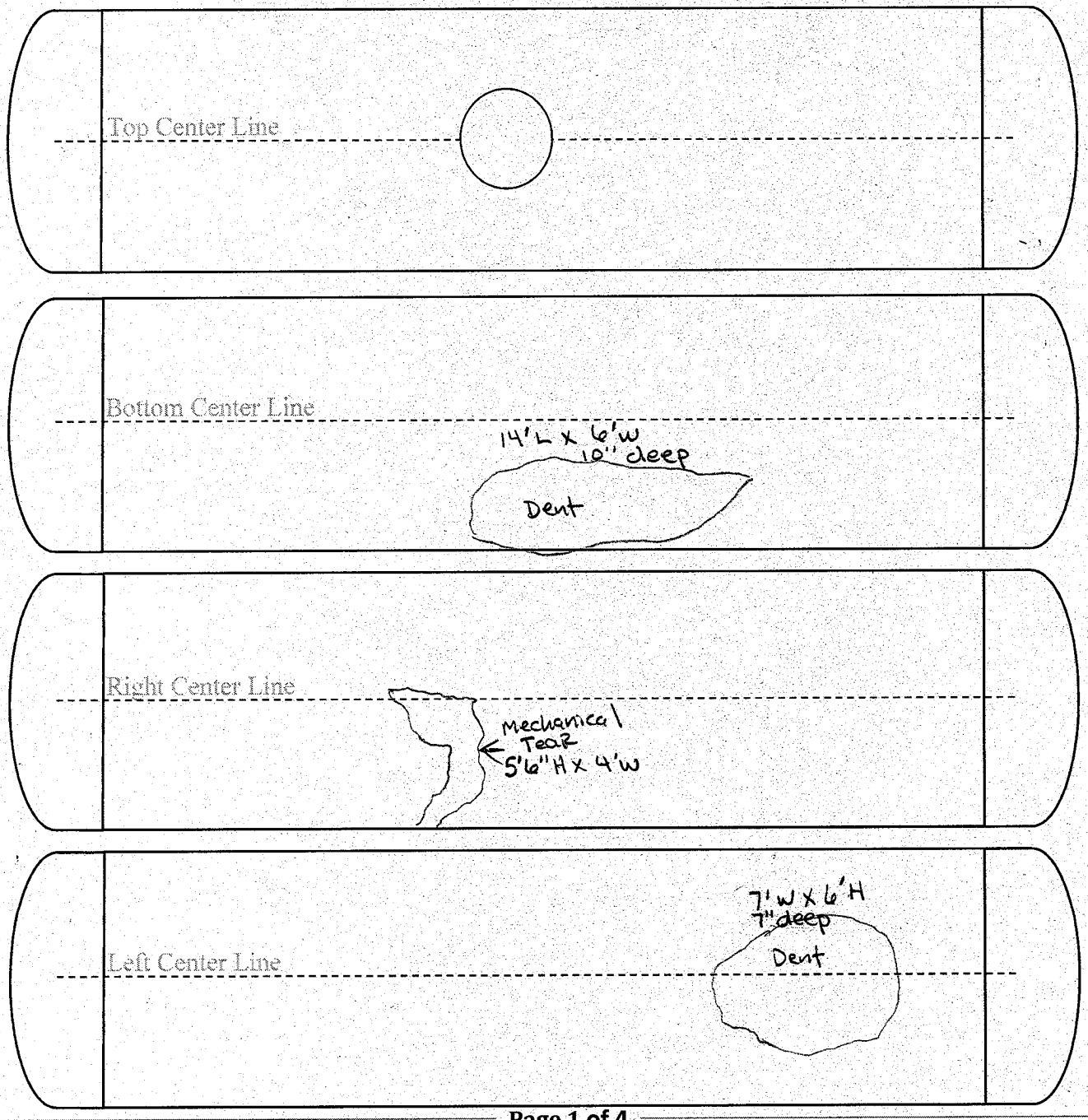
BOV nozzle sheared off / valve handle close / value in closed position

National Transportation Safety Board
Tank Car Damage Assessment Form

Reporting Marks	CBTX 742778		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)		

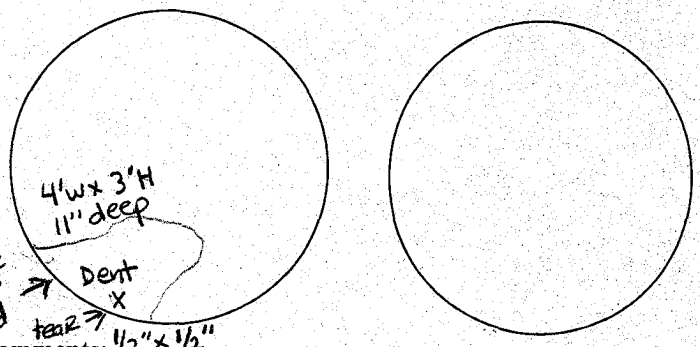
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

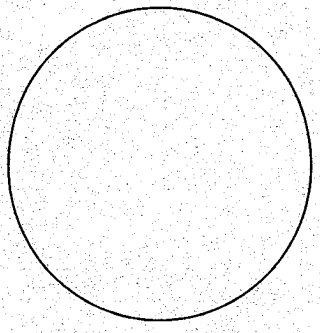
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with heavy fire 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:

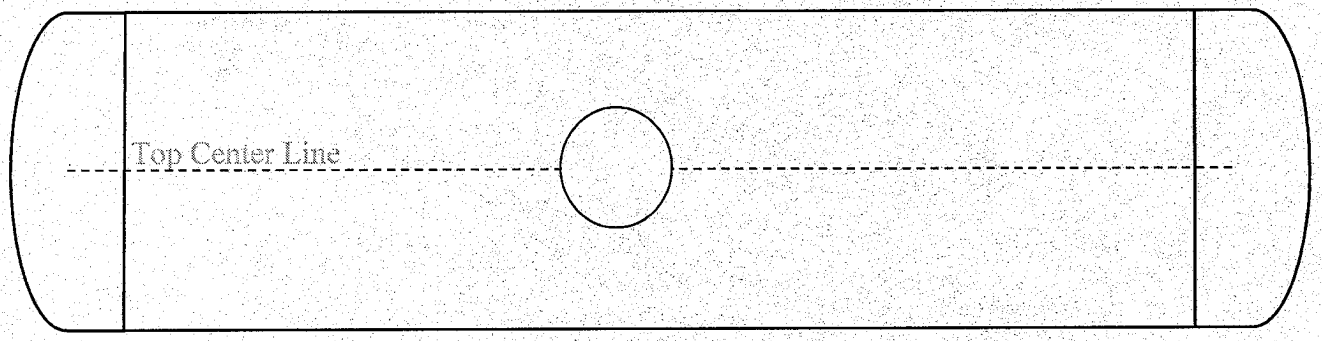
BOV intact / nozzle intact / handle intact

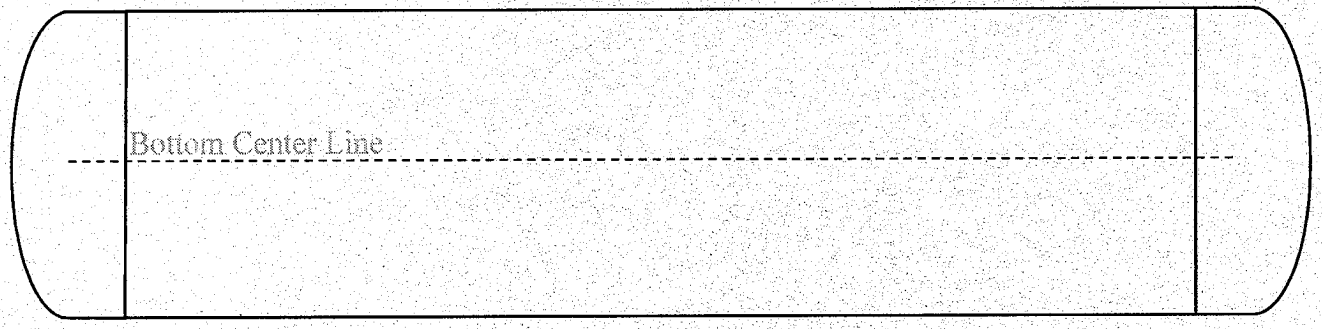
National Transportation Safety Board
Tank Car Damage Assessment Form

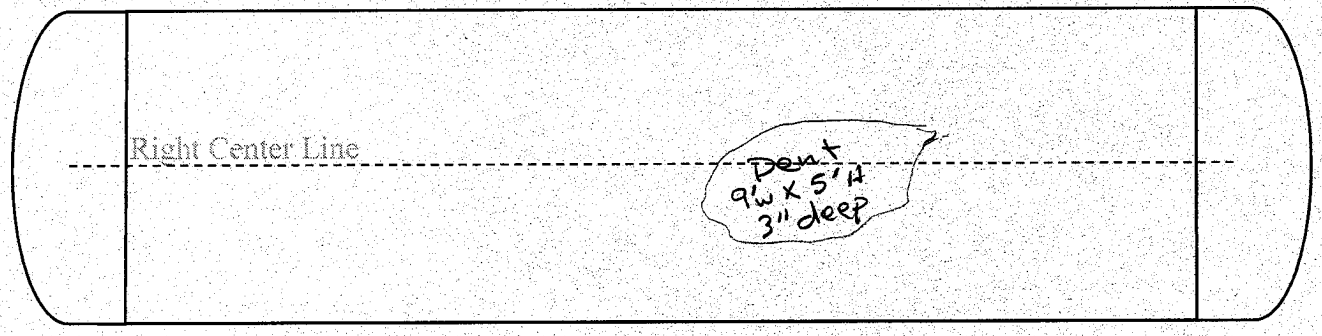
Reporting Marks	CBTX 741956 #24		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

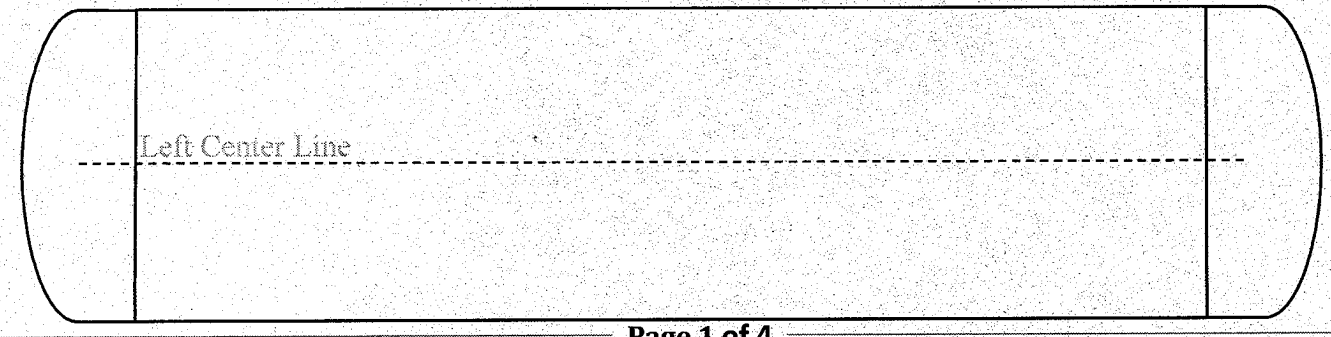
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



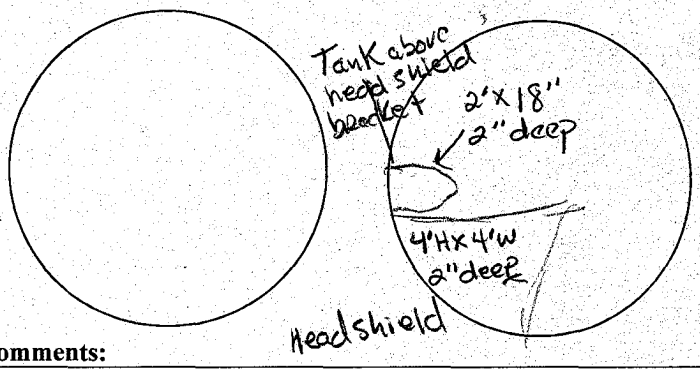






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

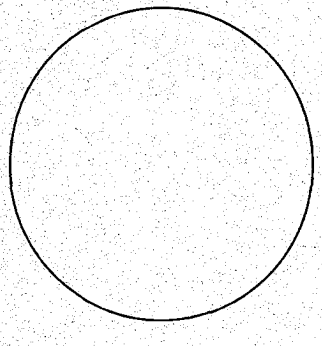
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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 in 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:

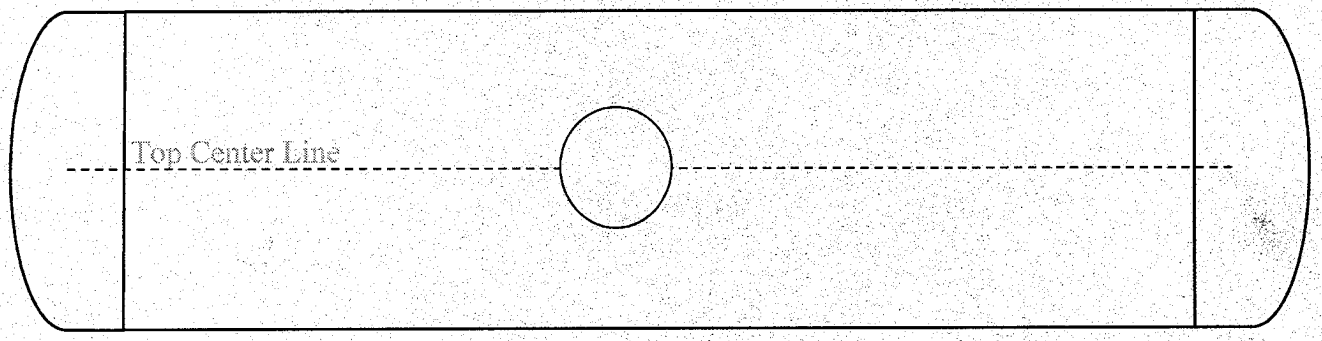
BOV intact no issues good shape

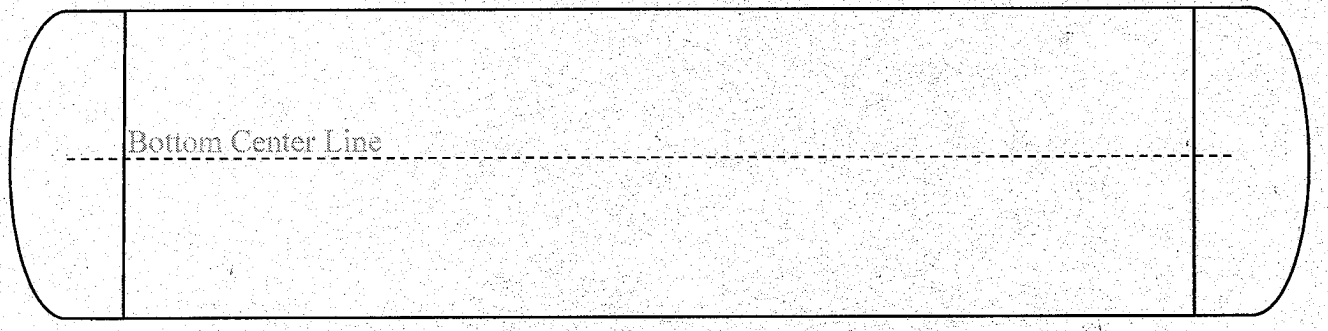
National Transportation Safety Board
Tank Car Damage Assessment Form

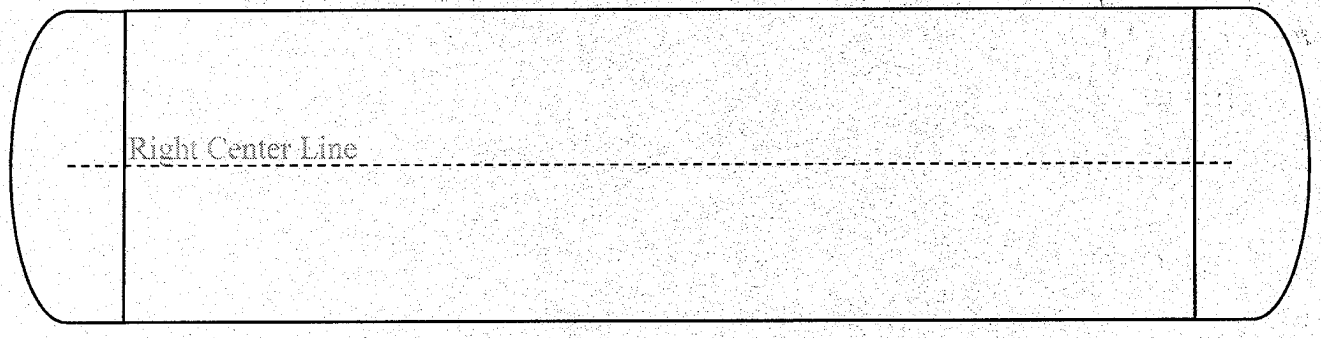
Reporting Marks	GATX 286233 #5		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification	DOT 111A100W1	
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

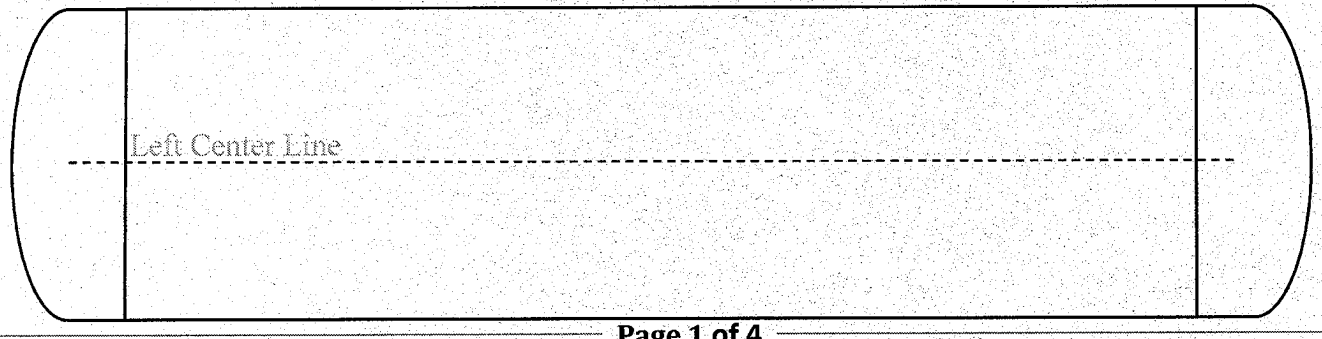
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



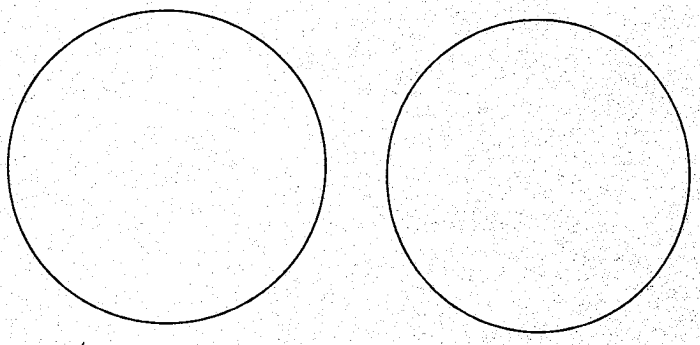






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

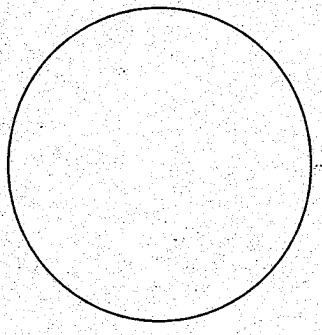
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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:

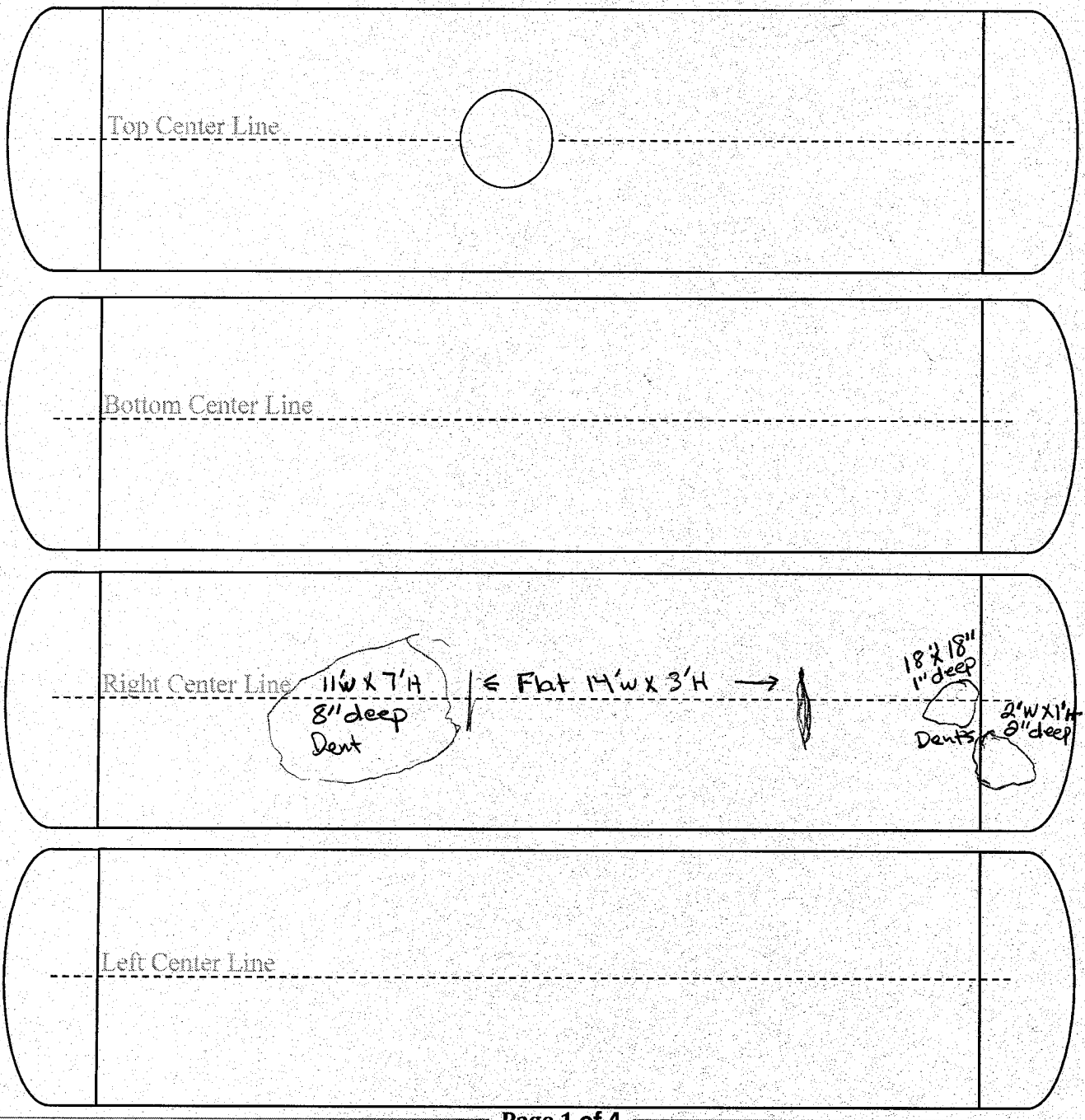
Skid protection bent / compromising seat on flange of BOV

National Transportation Safety Board
Tank Car Damage Assessment Form

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)		

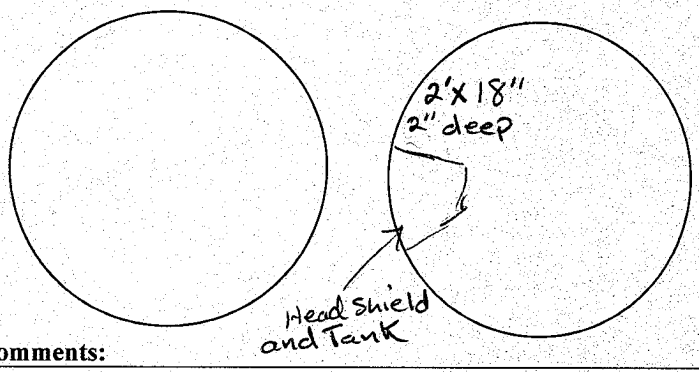
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

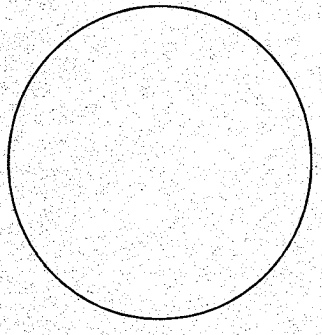
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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 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:

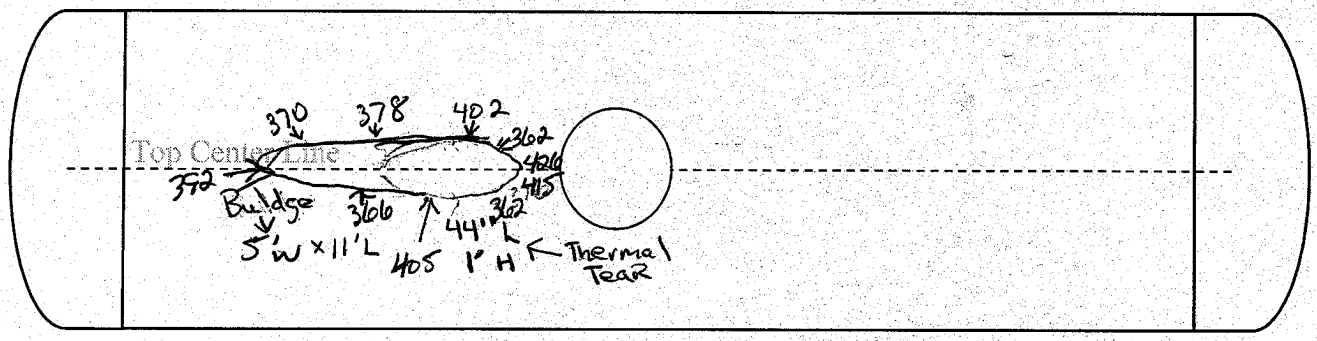
BOV nozzle sheared off / BOV opened 1/8 of full at derailment site / BOV handle missing at derail site

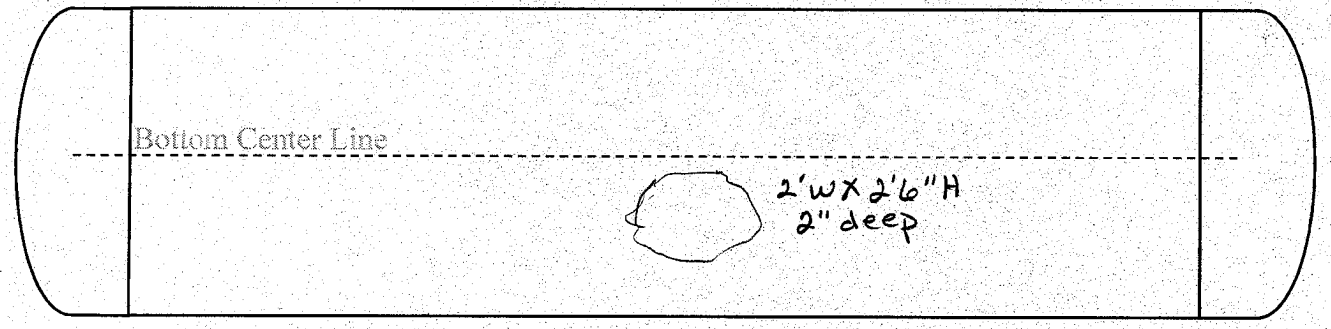
National Transportation Safety Board
Tank Car Damage Assessment Form

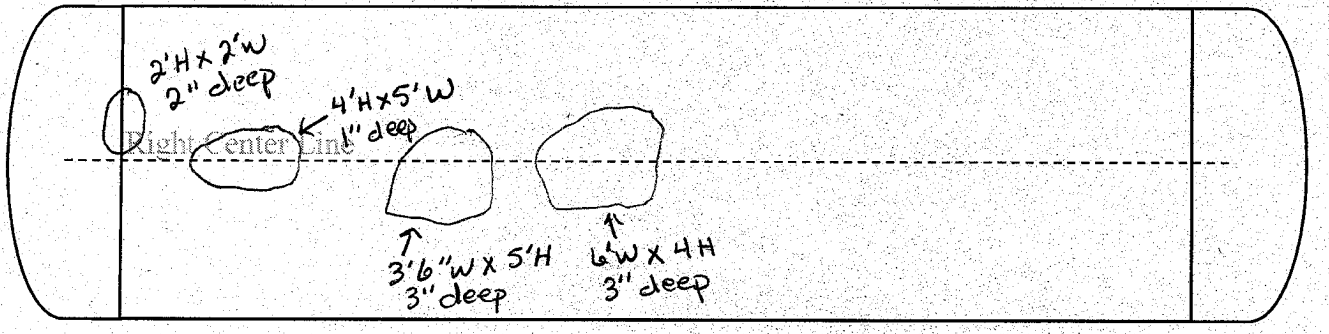
Reporting Marks	CBTX 741651 #21		Car Location City/State		
Date inspected		Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

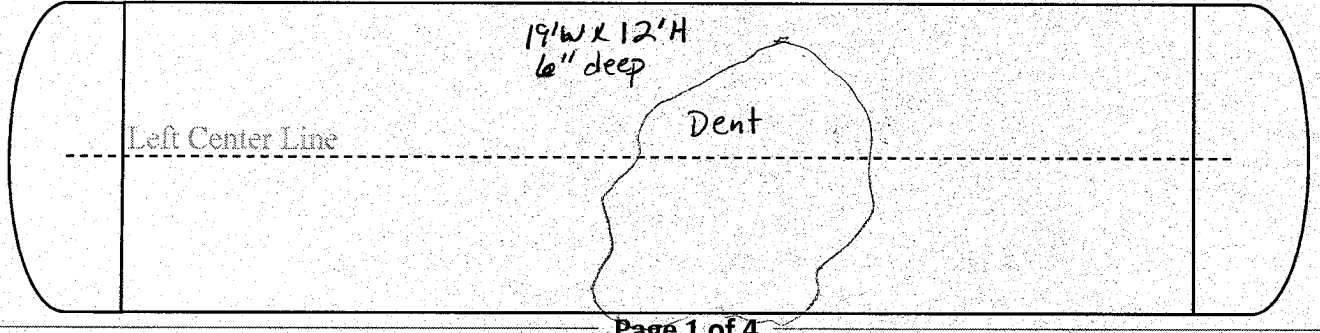
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



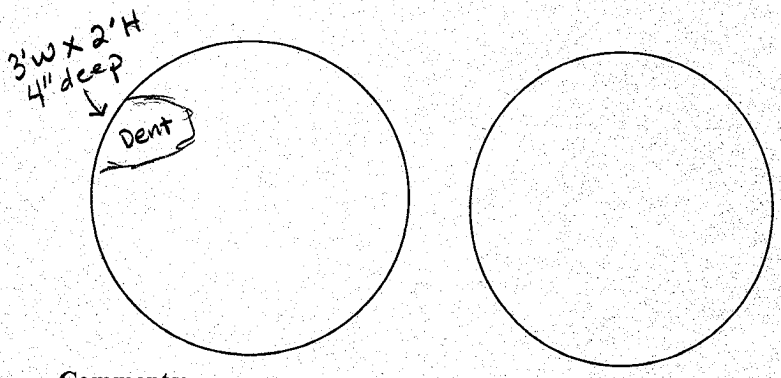






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

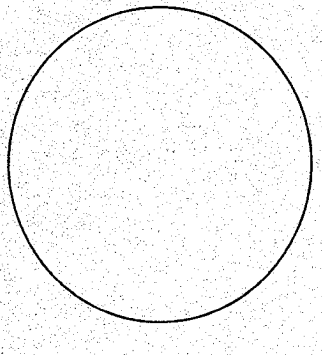
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with fire 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:

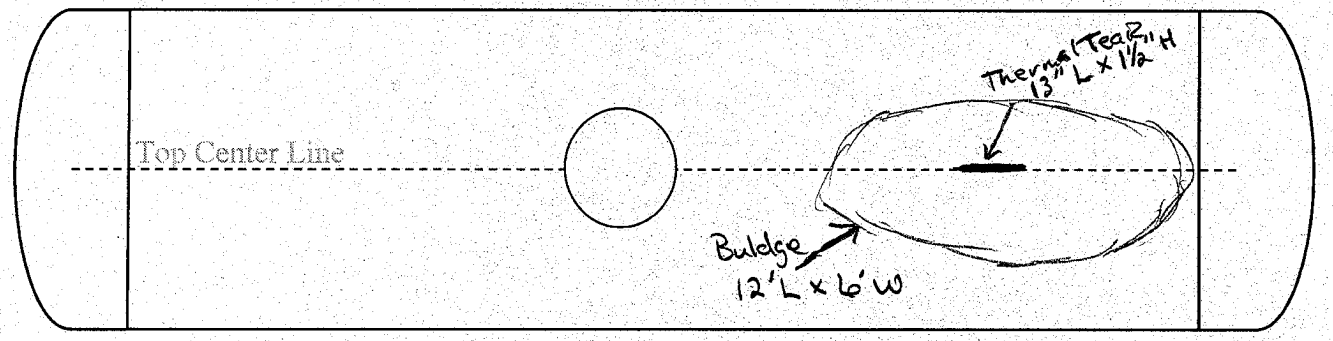
BOV nozzle sheared off / valve intact closed / BOV handle in place secured

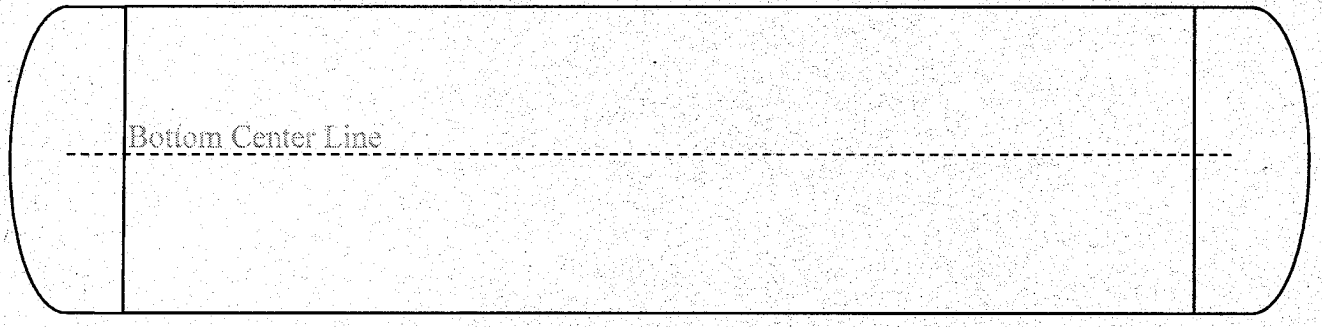
National Transportation Safety Board
Tank Car Damage Assessment Form

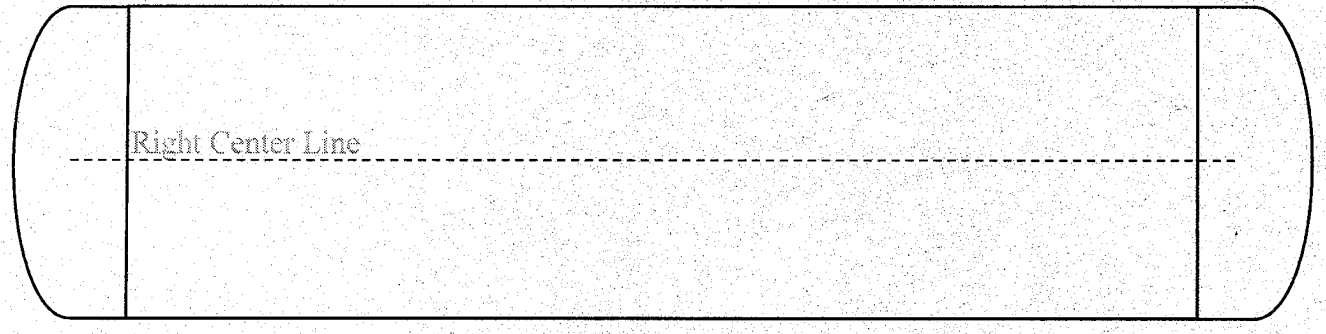
Reporting Marks	GATX 286232 # 8		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

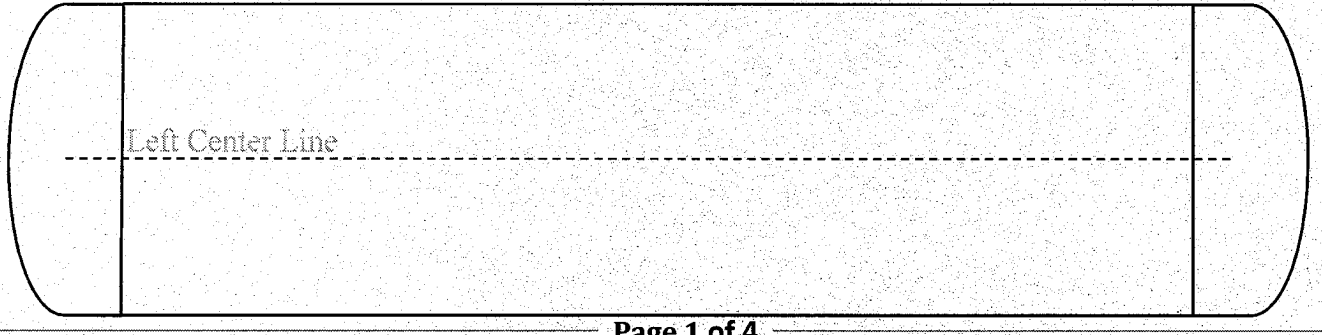
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



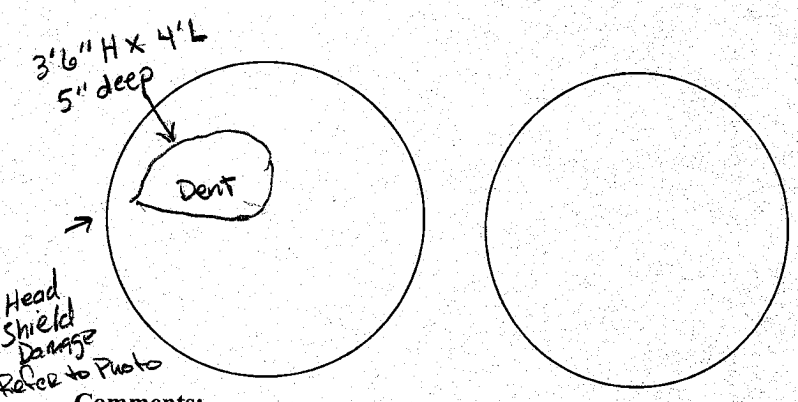






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

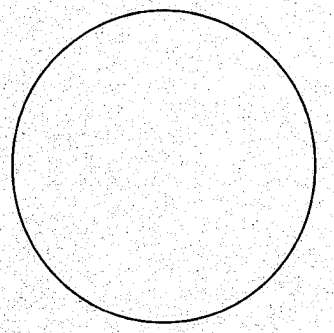
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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 with heavy fire 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:

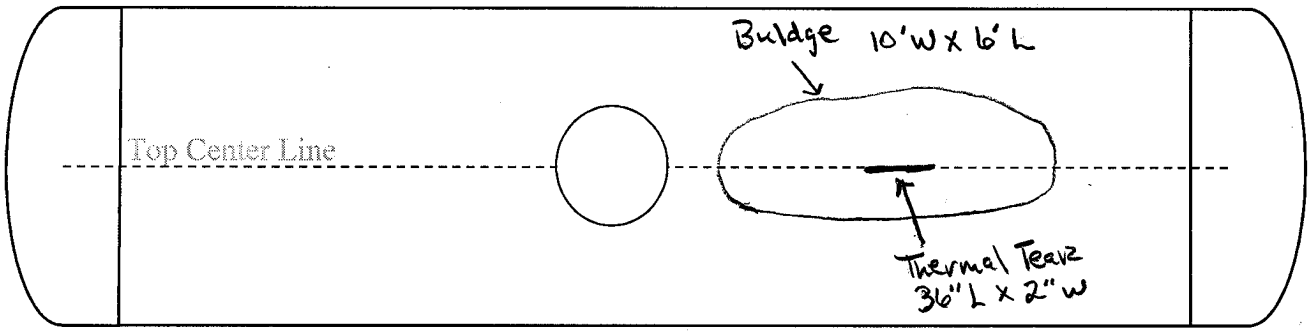
BOV nozzle sheared off/ BOV intact / BOV handle intact in place

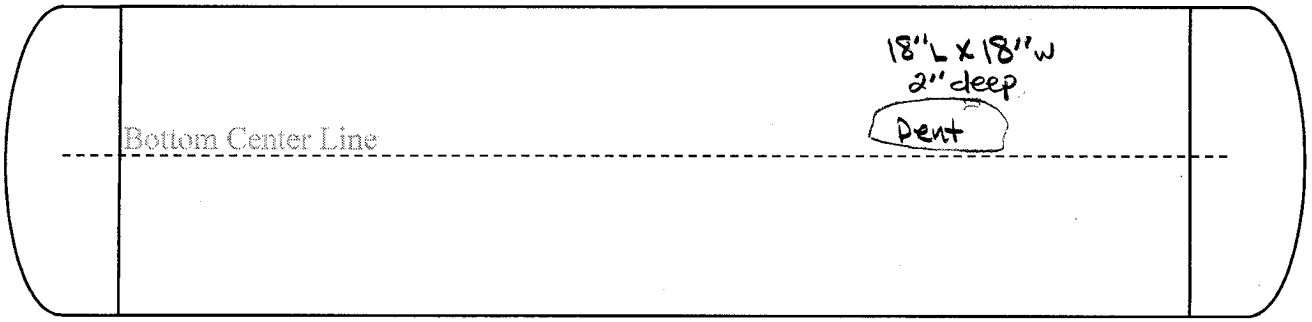
National Transportation Safety Board
Tank Car Damage Assessment Form

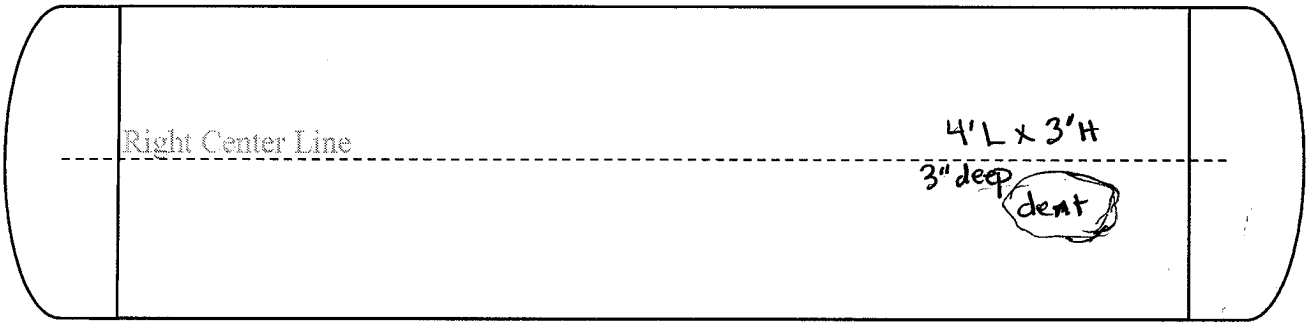
Reporting Marks	CBTX 742035 #14		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

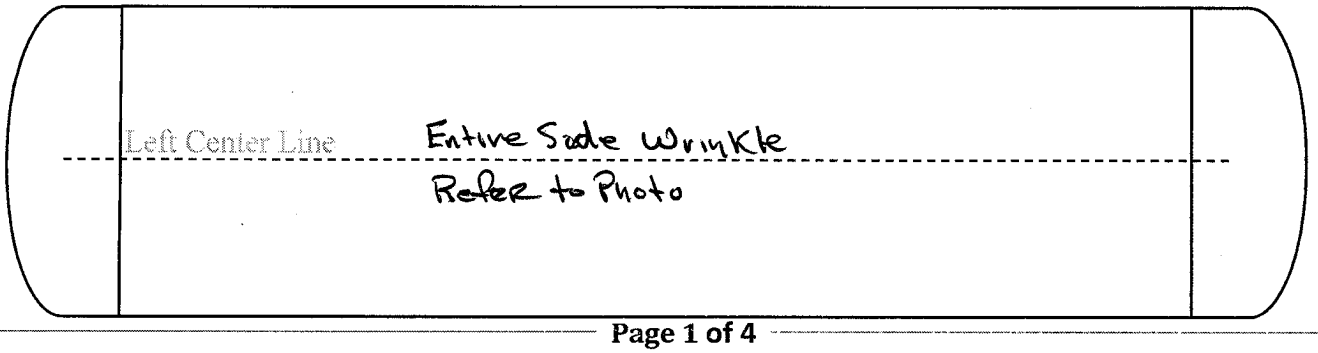
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



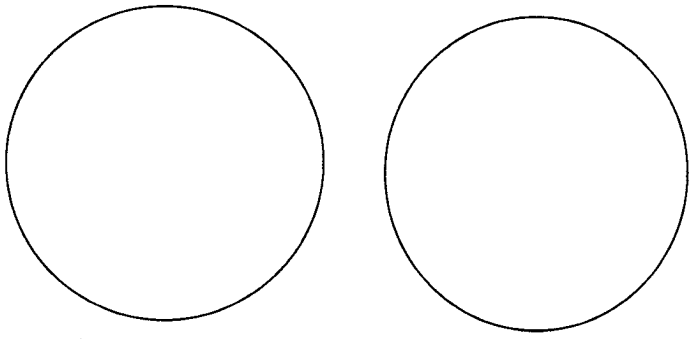






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

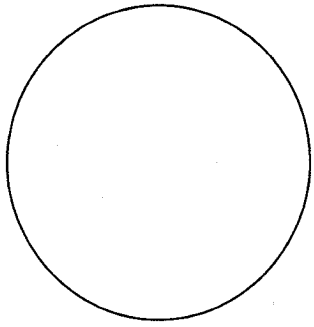
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with heavy fire 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:

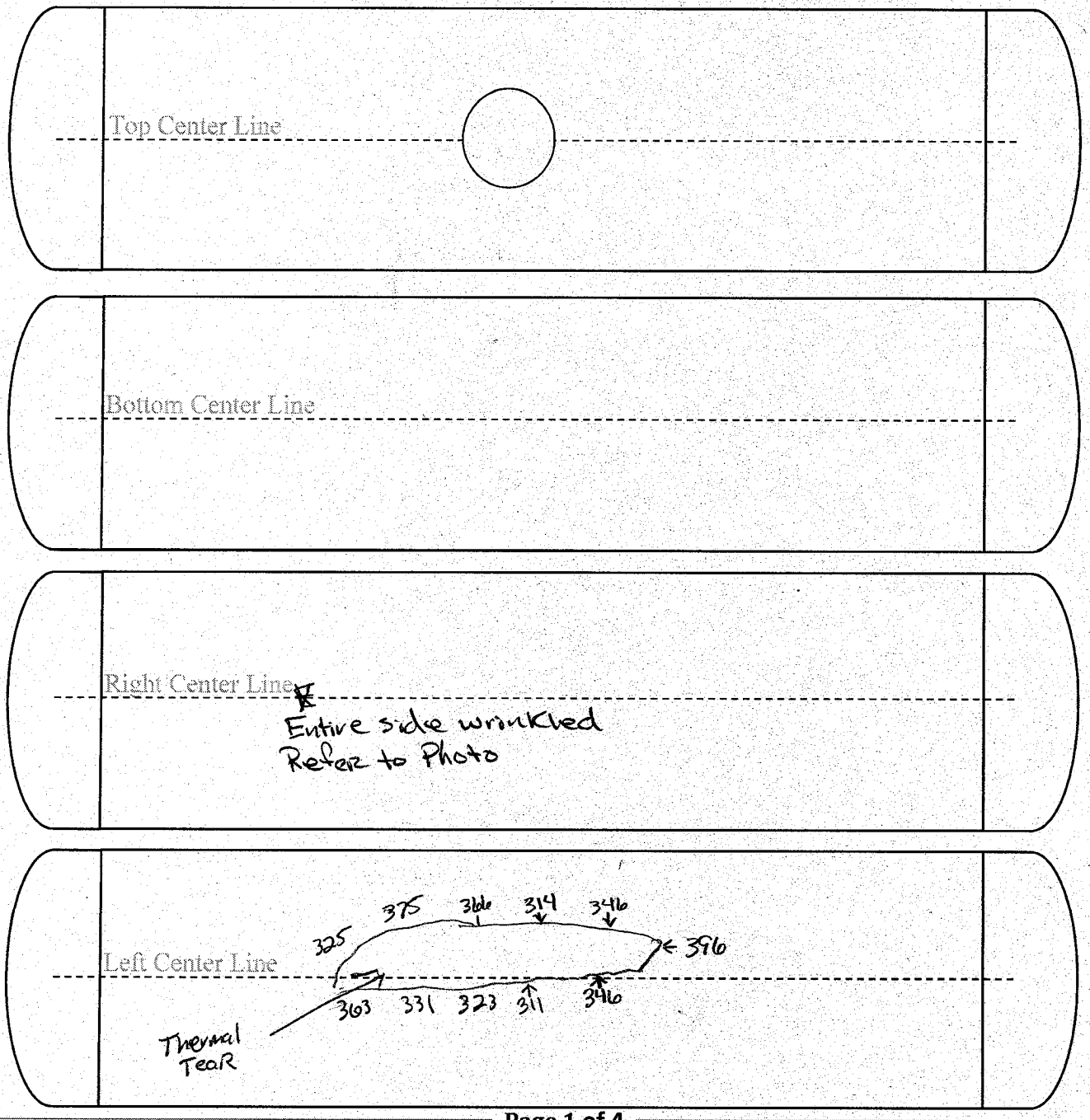
BOV nozzle sheared off/valve intact closed position/ BOV handle in place closed position

National Transportation Safety Board
Tank Car Damage Assessment Form

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)	

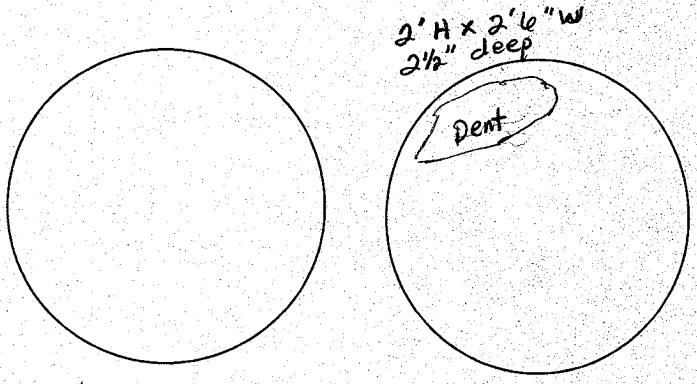
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

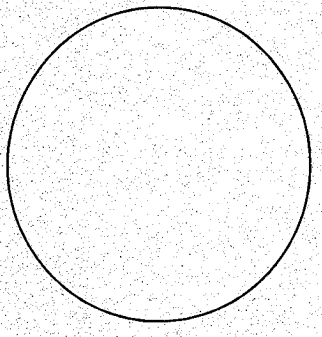
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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 with heavy fire 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:

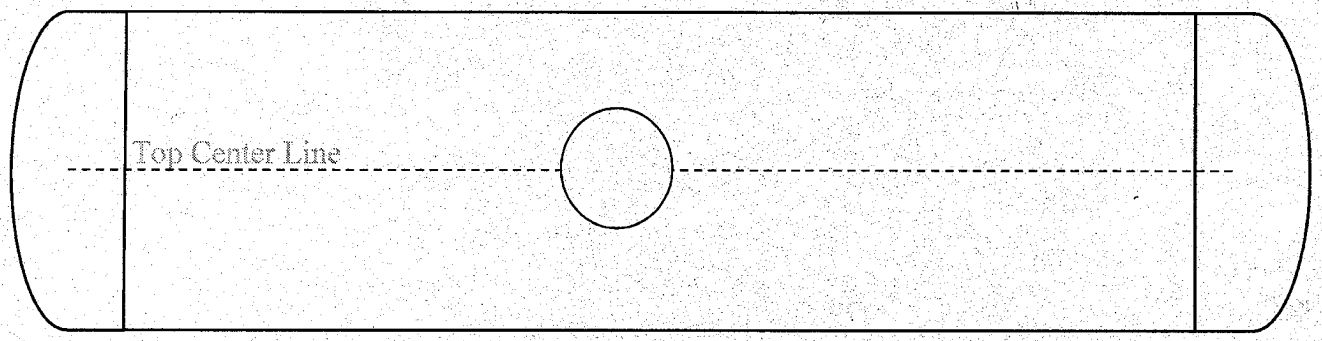
BOV nozzle sheared off / BOV intact / BOV handle sheared off closed position

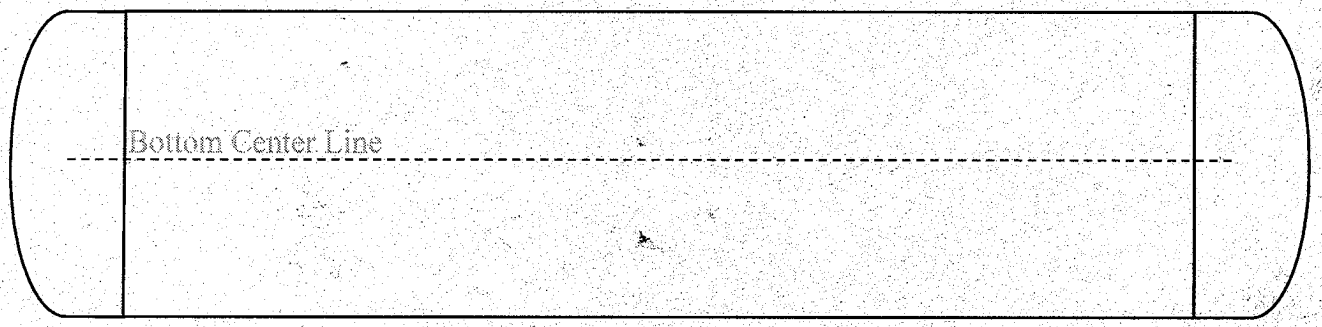
National Transportation Safety Board
Tank Car Damage Assessment Form

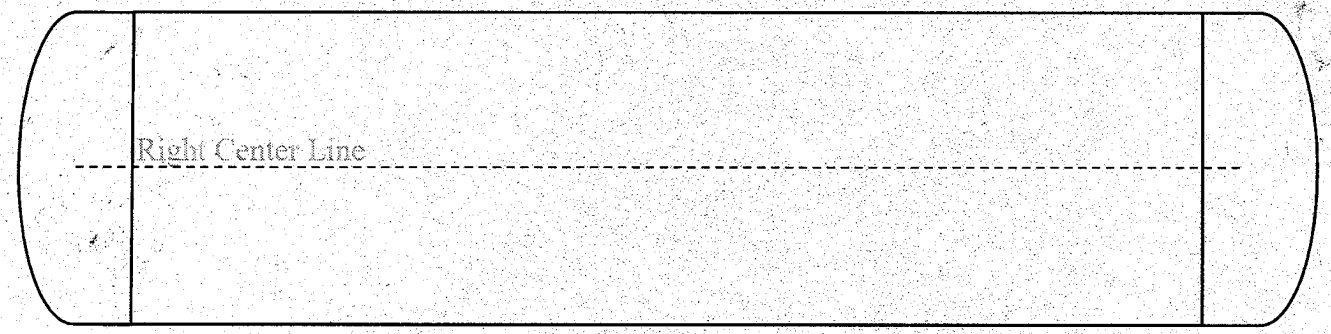
Reporting Marks	CBTX 741530 #26		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

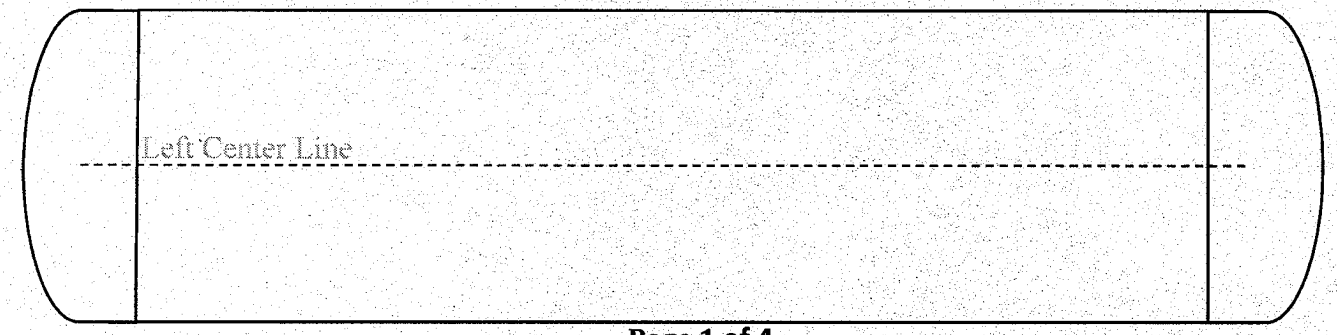
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



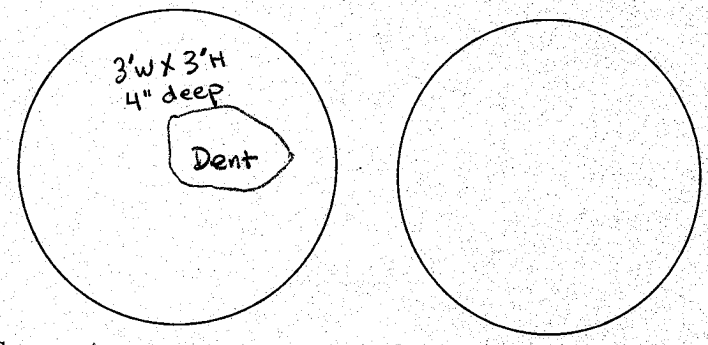






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

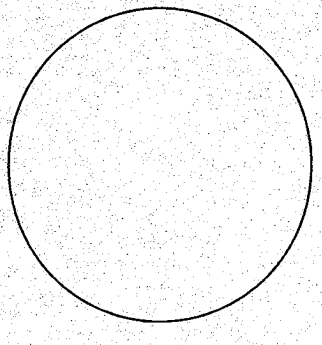
1. **Number of damaged valves?_____ Document station stencil if other than qual. Decal _____**

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, All valves 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?		
-	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:

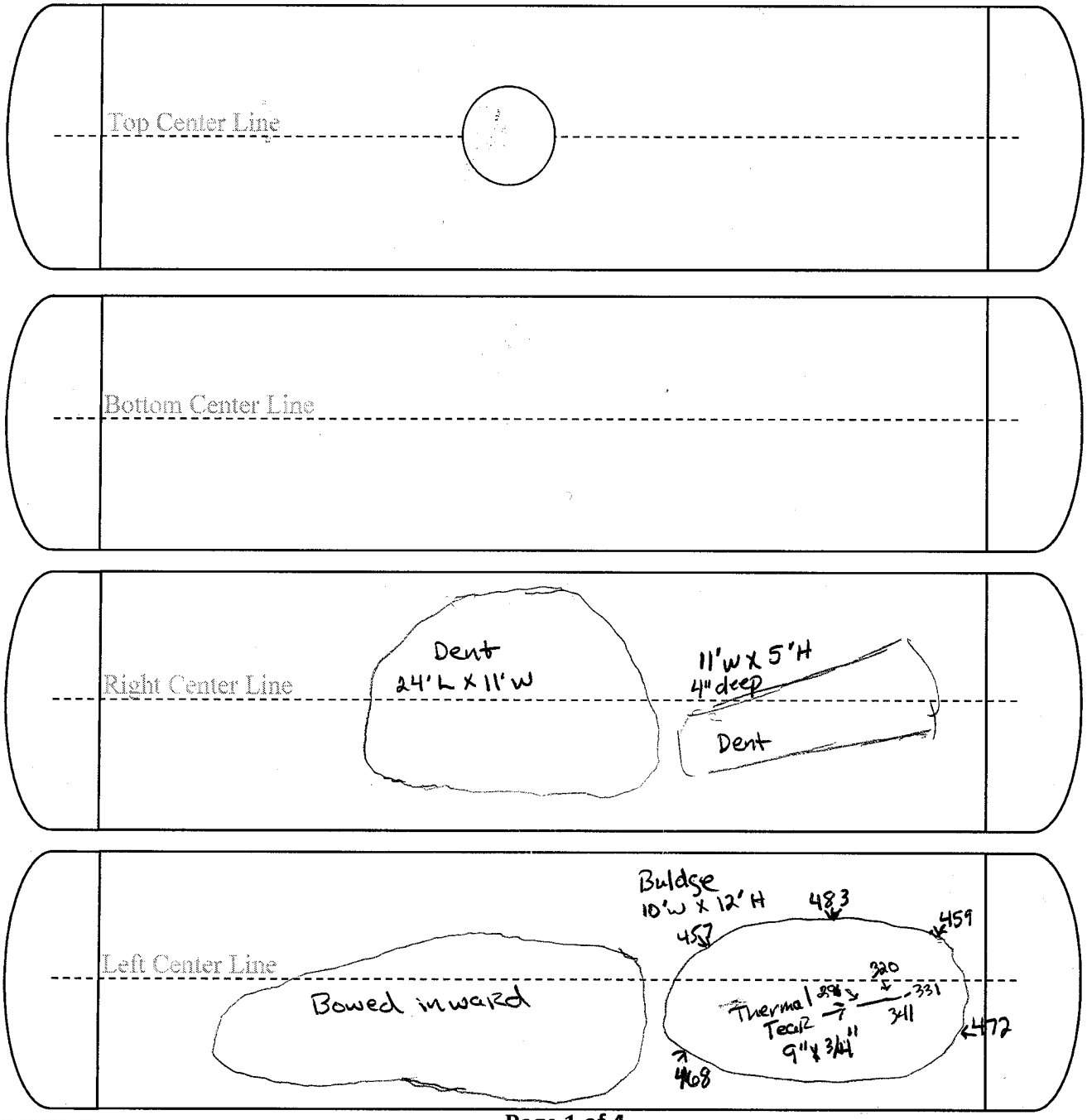
Everything intact valve, nozzle, and handle good condition

National Transportation Safety Board
Tank Car Damage Assessment Form

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)		

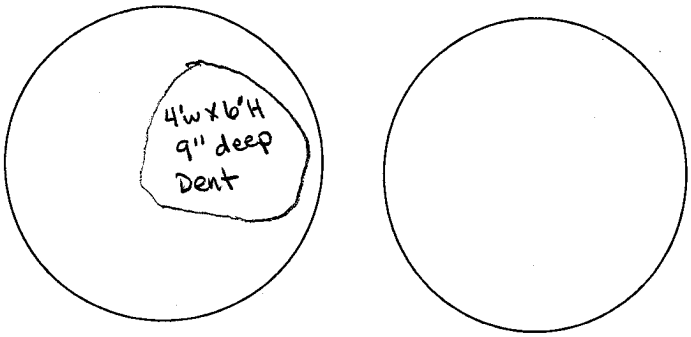
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

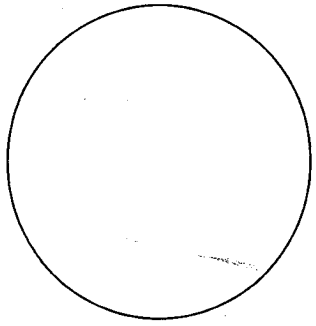
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 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:

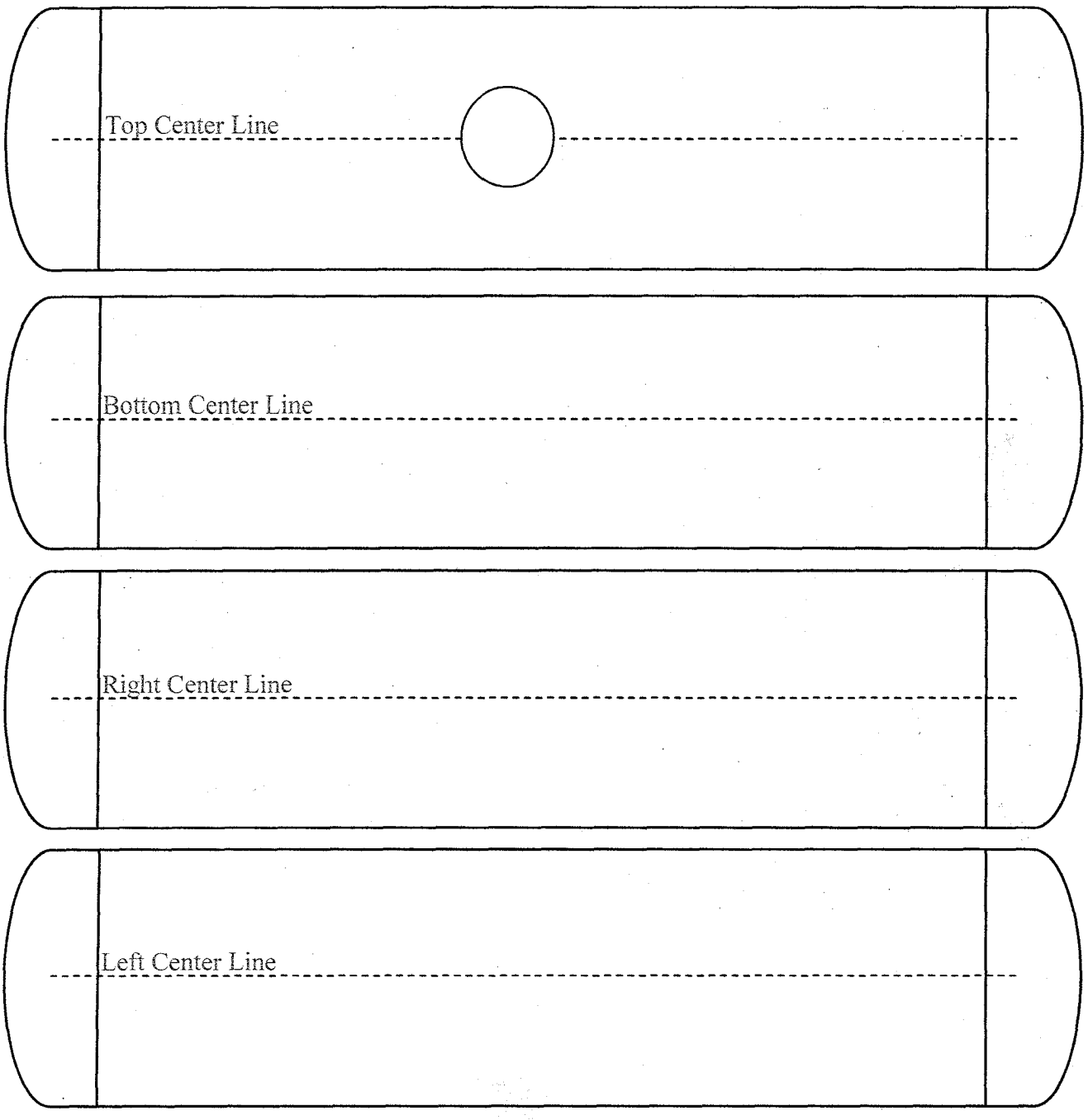
BOV nozzle sheared off / BOV intact closed position / BOV handle in place closed position

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)		

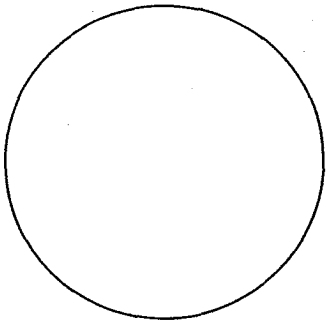
"Type of Damage and indicate number on figures below within damaged areas. (sketched in by inspector)

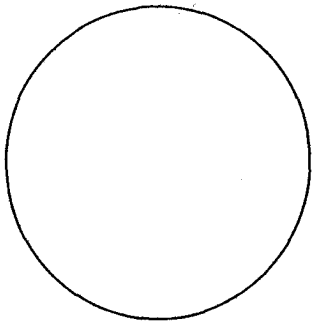
A-END



Federal Railroad Administration
Tank Car Damage Assessment Form

B-Head **A-Head**





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

Comments:

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

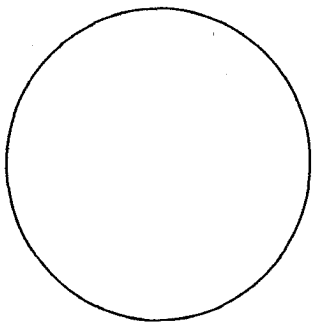
1. **Number of damaged valves?___ _____ Document station stencil if other than qual. Decal**

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		
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 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?		
-	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:

All BOV, nozzle, and handle in place good condition

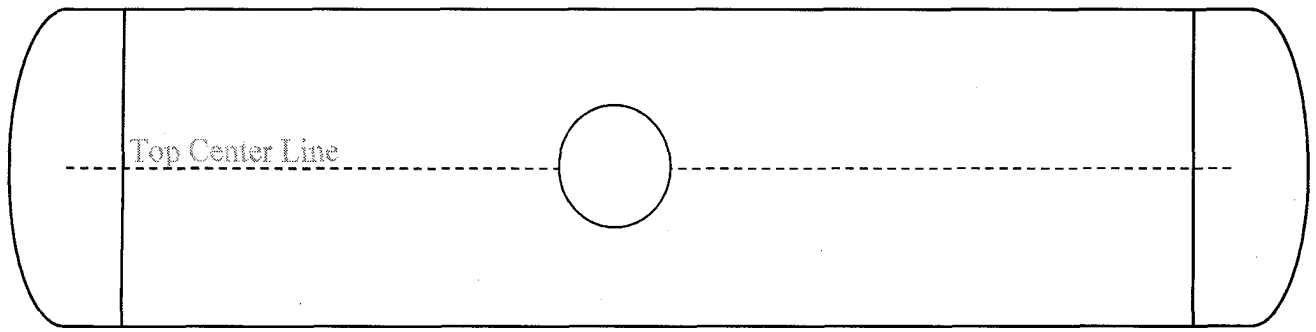
Inspector's Name (print) _____ **Inspector's Signature** _____

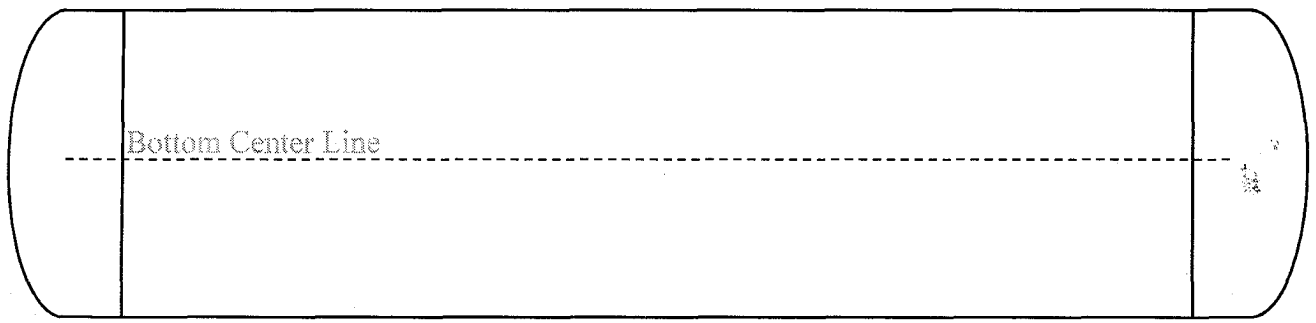
National Transportation Safety Board
Tank Car Damage Assessment Form

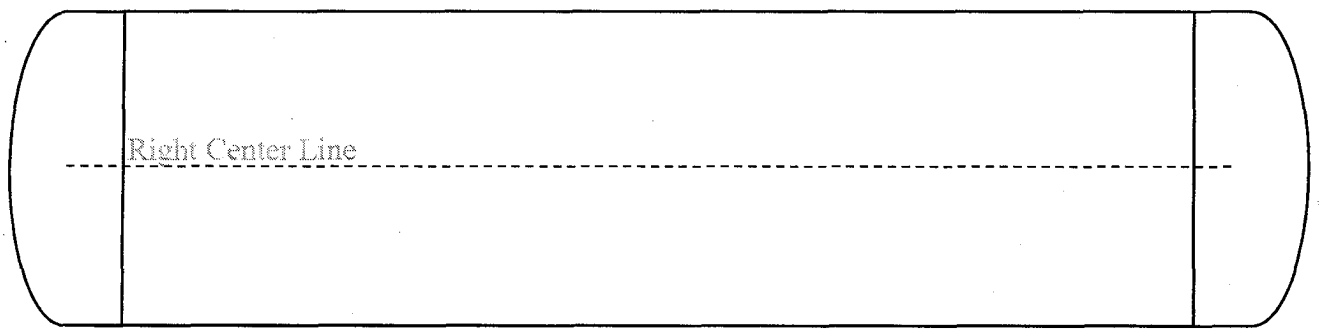
Reporting Marks	CBTX 741697 #27		Car Location City/State		
Date inspected	3/3/15	Railroad	DOT Specification		
Last Contained			Was product released?		
(Indicate One)	Jacket		Does car contain product		
Car builder		Stub Sill Design		Built Date	
Capacity (GAL)			LD Limit (LB)		

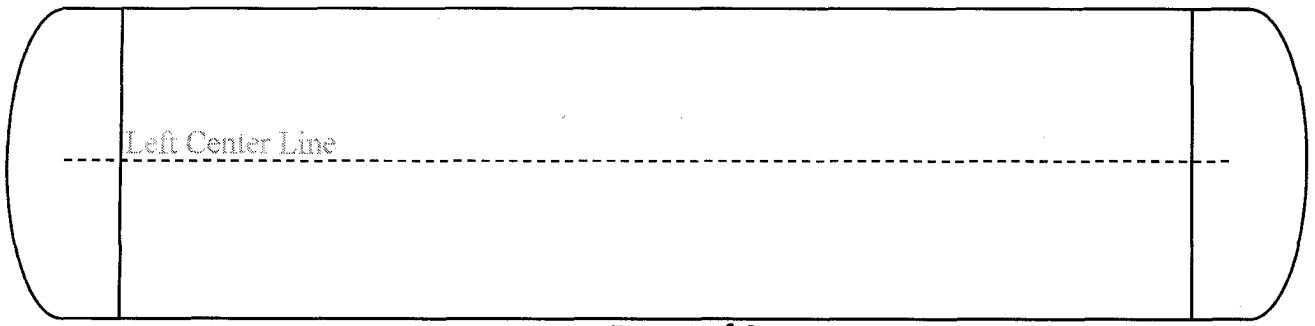
Indicate number on figures below within damaged areas. (sketched in by inspector)

A-END



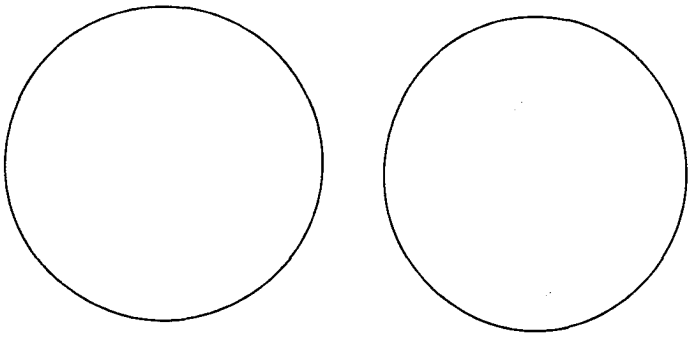






National Transportation Safety Board
Tank Car Damage Assessment Form

B-Head **A-Head**



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

Comments:

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 ☐°**
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

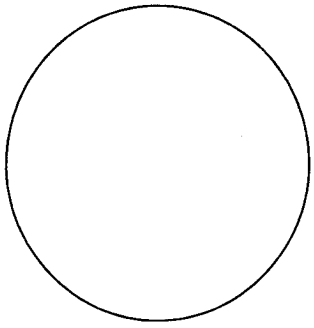
1. **Number of damaged valves?**_____ **Document station stencil if other than qual. Decal** _____

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 with 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 no damage / BOV intact no damage / BOV handle in place no damage