## PPG INDUSTRIES, INC. TANK CAR QUALIFICATION PROGRAM FORM: HM-201-1 - TANK CAR QUALIFICATION FORM

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ISSUED: July 2001		REV #: 2 REVISED: Sept 2008
Car Reporting Mark & #	1: <u>PP6× 1702</u>	D.O.T Specification: 105 J500w
Location Performing In	spection: <u>_REDP</u>	Is Car Insulated: (Yes) No
Circle (if applicable):	R-1: Yes / No	SS-3: Yes /No
	R-2: Yes No	NDE Drawing (if applicable)
N-6	—	

Notes:

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- 1) All inspections shall be performed in accordance with 49 CFR 180.509 and the tank car owner's re-qualification plan.
- If defects are found, please see attached copy of AAR forms, R-1 and/or R-2, as applicable for additional 2) detailed information on the repairs and procedures used.
- The following NDE methods are authorized: Liquid Penetrant PT, Magnetic Particle MT, Ultrasonic Thickness UTT, Ultrasonic Angle Beam UT, and Visual Inspection VT. 3)

Inspection Area	1 <sup>st</sup> Inspection			2 <sup>nd</sup> Inspection		
	Date & Inspector's Initials	NDE Method	Pass / Fail	Date & Inspector's Initials	NDE Method	Pass / Fail
Structural Integrity Inspection	104 566 20	32.25			$\mathcal{E}^{i,r_{i},q_{i}}$	
Interior Fillet Weld Inspection Within 4 feet (each side) of the bottom Ionoitudinal centerline.					<del>.</del>	
All Transverse Fillet Welds > ¼*	05/19/2010 BAD	VT	Pass			
All Terminations of Longitudinal Fillet Welds > 1/1"	05/19/2010 13 AD	VT	Pass			
Location & Description of Defects Found (if a	oplicable):					
•						
Exterior Fillet Weld Inspection Within 4 feet (each side) of the bottom						
longitudinal centerline. All Transverse Fillet Welds > ¼"	5-19-10	VT	TASS			
All Terminations of Longitudinal Fillet Welds > ¼"	5.19-10 JPH2	VT	FAIL	6-18-10 50002	YFF-	hos
Welds > $\frac{1}{2}$ Location & Description of Defects Found (if a BL, BR - Pad to tonk ( BL - Pad to sill AL - Pad to BL - Fad to sill AL - Pad to BL - Fad to tonk	pplicable): 9. TAD -1 SIII	erm,	/AL,A	R Padt	o tanK	(fed term
Shell Butt Weld Inspection Within 2 feet (each side) of the bottom	05/19/2010	UT				
Iongitudinal centerline.	BAD	<u> </u>	Pass	<u> </u>	<u> </u>	l
Location & Description of Defects Found (if a	oplicable):					

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101 ST (ST (ST (ST (ST (ST (ST (ST (ST (ST	International designation				II STANSTAN	SS 2004654
Shell Thickness Inspection					<u> (1997) - 1997) - 1997</u>	1月11日2月11日
To verify that the tank shell meets minimum	See Form HM201-3 The Service Life Thickness Inspection Form					
shell requirements.						<u> Maryang Ma</u>
Wisuallinspection			法法院	<u></u>	A.M. D.F.F.	
Internal Inspection		VT				
Of the tank shell and heads for abrasion,	05/19/2010					
corrosion, cracks, dents, distortion, defects			Pass			
in welds or any other unsafe conditions.	BAD				+	[
External Inspection	5-19-10	, vi	Pass			
Of the tank shell and heads for abrasion,			Lass			
corrosion, cracks, dents, distortions, defects in welds or any other unsafe condition,	5-19-10 JPH2-		<b>"</b>			
except where insulation or thermal	0.					ļ
protection precludes it.			<u> </u>		<u> </u>	
Location & Description of Defects Found (if an	oplicable):					
			_			
		<u></u>				
Safety System inspection		стана 1 ул		I		
	XA					
Safety System Inspection Insulation / Thermal Protection System	NA					
Safety System inspection	N/A N/A	VT VT				
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance	NА		Enu	6-18-10	NT	La La
Safety System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint	NА	VT VT	FAIL	6-18-10 5WGZ		Poss
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance	NA 5-19-10 JPH2	VT	FAIL	6-18-10 5WGZ		Pass
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection	NA 5-19-10 JPH2 NA	VT VT VT	FAIL	6-18-10 5WGZ		Pass
Safety System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint	NA 5-19-10 JPH2 NA 5-27-10	VT VT		6-18-10 5WGZ-		Pass
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing)	NA 5-19-18 219-18 21-18 21-18 NA 5-27-18 MAT	VT VT VT	FAIL	6-18-10 5WGZ		Pass
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing) Location & Description of Defects Found (if a	NA 5-19-19 JPH2 NA 5-27-50 MAT	VT VT VT VT		6-18-10 SWBZ	VT	Poss
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing)	NA 5-19-18 219-18 21-18 21-18 NA 5-27-18 MAT	VT VT VT VT		6-18-10 SWGZ	VT	Poss
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing) Location & Description of Defects Found (if a	NA 5-19-19 JPH2 NA 5-27-50 MAT	VT VT VT VT		6-18-10 SWGZ	V.T	Poss
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing) Location & Description of Defects Found (if a	NA 5-19-19 JPH2 NA 5-27-50 MAT	VT VT VT VT		6-18-10 SWGZ	V.T	Poss
Safely System Inspection Insulation / Thermal Protection System Head Puncture Resistance Coupler Vertical Restraint Bottom Outlet Valve (BOV) Protection Top Fittings Protection (Housing) Location & Description of Defects Found (if a	NA 5-19-19 JPH2 NA 5-27-50 MAT	VT VT VT VT		6-18-10 5WGZ	V.T.	Poss

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Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_ Date: \_\_\_\_\_

Todd Bennyett