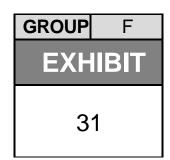


NATIONAL TRANSPORTATION SAFETY BOARD Investigative Hearing

Norfolk Southern Railway general merchandise freight train 32N derailment with subsequent hazardous material release and fires, in East Palestine, Ohio, on February 3, 2023



Agency / Organization

Oxy Vinyls, LP

Title

Application for Approval and Certificate of Construction, OCPX80179 and OCPX80235, July 16, 1990

•	namen mendetelementen en etter etter etter etter sollen in sollen mendetelementen etter etter andere etter ette		1
122		4	DN/
	APPLICATION FOR APPROVA		ILIO 20
-	APPROVAL REQUESTED OF: DPrecedent	AAR Tank Car	
			AAR NO. 4906054 B
	Applicant TRINITY INDUSTRIES, INC P.O.	BOX 568887 DALLAS	Applicant's No. 9031
1975 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -			TX 75356-8887 DATE: 7-16-90
(Friend Comments)	APPLICATION FOR APPROVAL OF: D Construction Reporting Marks	n 🗋 Conversion 🗋 Alte	sations Welded
	and Car Numbers OCPX		Repairs (Other)
	1. Tank Specification DOT 105A300W		Number of Cara
	2. Stenelled Specification DOT 105J300W	SAFETY RELIEF, DE	WICEs:
	4. CommodityVINYL_CHLORIDE	12. Type VALVE	Number 1 4
	4. Initial Commodity 7,60 to 1	Start to Discharg	4 247.5 mil up.)
	TANK SHELL. Q OB F	(g/L) 13. Flow Cap'y, (Air)	Actual 31820 dm /
	5. Full Water Cap'y 24,876	14. Flow Cap'y, (Air)	Regd.18751 cfm (*/a)
	5. Dome Cap'y or Outage. *	L) 18. Tank Surface Are	1469 (t [*] (m [*])
	7. Material <u>TCL28B NORM stining NONE</u> Head thickness <u>9/26 MIN. in</u> 16. Underframe Type <u>STUB SILL</u>		
	Shell thickness 9710 in /	mm) 18. Center of Gravity	Wt. <u>B3.300</u>]b (ks)
	a intide lightnalay. 119 is a	mm) 19. Rail Load Limit	563 000
	Radii Knuckia N.A.	mm) 20. Truck Capacity, T	ons1001b (kg)
	10. Test Browned 300	mm) 21. AAR Clearennes T	in many the A
	11. Insulation 3-1/2	PAU V.U. PIMERT	AY LITER AND
*	Thermal Conductivity 0.256	Nine III	2 3-1/2" TOTAL THICKNESS.
	NOTES: + OUTLON AND COMMONS		mm/h + m ^z + *C)
	NOTES: * OUTAGE PER DOT 173.314, 87% FILLING DENSITY. ** TRUCK CENTERS = COMMODITY STENCIL, "VINYL, CHIOSTRE"	MAXIMUM PERMITTED	
	CORMODITY STENCIL, "VINYL CHLORIDE" I HEIGHT LETTERS.	N 4" MINIMUM Builder	Certifiense Number
	TELIERS.		Lading
	The Following Drawings Apply		Preesdent/Certificate
-O.	22. General Arrangement.	Drawing Number Drav D-40429B	ring Number Application/Certificate
	23. Arrangement, Tank	D-42512C SH. 1	
	24. Reinforced Openings	D-42512B \$H.2	
	25. BOLSTER AND DRAFT SILL ARRANGEMENT		
	And Finings Arrangement, D-64534C SU 1 4	D-44534 A SH. 2	
	et manwar Anemoly	D-340032B	
	26. Protective Housing	D-143559A	
	29. Vanting, Loading and Discharge Valves	D-44534 C SH. 1	
		A=34247	4879008
	32. Hester Systems. 22. Gaging Devices	NONE	
	33. Bottom Outlet Valve.	<u>B-612</u>	A869013
	34. JACKET ANCHOR	NONE	
	33. MANWAY COVER	D-46344 D-243777	A896059A
	36. CALCULATIONS	D-343915	
	REVISIONS		
7-31-90	REV. A: REVISE DRAWINGS D-42512 SH.1&2.	APPLICATION BY WILLLAM R. BITTING I certify that the foregoing conforms to all applicable DOT	
9-26-90	REV. B: REVISE DRAWINGS D-40429A,	and AAR requirements, in	ne conforms to all applicable DOT neluding Specifications, Regulations,
	D-42512B SH.1, D-42512A SH.2, D-44534	annen en enen mittigt #110	the DOT Railroad Safety Appliance
	SH.1&2, D-340032A.		
		SIGNATURE	- RAIL PRODUCTS DIVISION
- <u>_</u>	(PPROINT)		ARIC PRODUCTSPDIVISION
	APPROVAL AAR Tank Car Committee Date Approved	DIAGO	
		1 100 11	er on behalf of Tank Car Committee
	CONSTRUCTION: The cars enumerated below conform to the above approved description and to all applicable DOT and AAR requirements, including Specifications, Bernhultons, Bulas of Lines and to all applicable DOT and		
	Salety Appliance Standards Compared the D		
	Salety Appliance Standards. Copy of this Certificate of Construction will be furnished to the owner and others required by 49 CFR Part 179.3 before these cars are placed in service.		
	Initials and Car Numbers:	vicas cars are placety in a	ervice.
	OCFX	Date	
		By	
	Form AAR 4-2 Revised 10-17-86	Till	a Oblate Chargerand
		and a start	Pate 1 of
		0	
504 620		000 0000	LITE OCALT FOR LITIKED

10.00

1