

## CERTIFIED MATERIAL TEST REPORT

Trinity Industries Inc. Fitting and Flange Group  
 Hackney \* Ladish \* Flo-Bend \* CQ

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887  
 Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 98/41

Date: 07/28/99

Sold to: FERRETERA ANAHUAC, S.A. DE C.V Ship to:  
 VALLE DE LAS ALAMEDAS NO.66 B  
 SAN FRANCISCO CHILPAN  
 TULTITLAN, EOO. DE MEXICO

Heat Code	Quantity	Description / Specifications
RJ98TCAH		36 X 24 S-60 RED TEE A/SA 234 - 96A WPB A516-70 63 2263-1277-4 NORM 1650 NACE MR0175

## Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
RJ98TCAH	M	.240	1.080	.020	.012	.250	.030	.020	.020	.010	

## Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
RJ98TCAH		.005			.010					.430

## Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
RJ98TCAH	77.0	T		48.8	33.0	63.0	141

## Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
RJ98TCAH						

Test: M=Mill Product

Type: T=Transverse

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the Company. This information has been electronically transmitted to our customer.  
 /S/ Glinda LaFleur

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WELDS RADIOGRAPHICALLY INSPECTED AND ACCEPTED PER  
ASME SEC VIII PARA UW-51  
WELD #34U-1, 34U-2