

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887

Phone: (214) 589-8177 Fax: (214) 589-8892

Order Number: 106

(258225-005) INV #00117017 02/09/17 Date: 09/18/02

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO.66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN, EOO. DE MEXICO

Ship to: TUBOS CONEXIONES Y TANQUES 001
 C/O SPECIALIST IN TRANSIT FWR
 1801 MARKLEY - MODERN IND PARK
 LAREDO TX 78041

Heat Code	Quantity	Description / Specifications
EJ00JD	1	20 X 12 STD CON A/SA 234 - 99 WPB A106-B 9/B07976 NORM. 1650 NACE MR0175
RE01DA1	1	20 STD LR 90 DEG EL A/SA 234 - 99 WPB A106B 48 89579 AS ROLLED NACE MR0175
EL01FE	4	24 X 20 STD RED TEE WP A/SA 234 - 00 WPBW A106-B 117/B1F611 NORM. 1650 NACE MR0175
EL01FF	4	24 X 20 STD RED TEE WP A/SA 234 - 00 WPBW A106-B 117/B1F673 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EJ00JD	M	.210	.710	.008	.005	.220	.010	.020	.060	.010	.0300
RE01DA1	M	.180	.710	.005	.001	.300	.070	.040	.030	.007	.0240
EL01FE	M	.200	1.040	.008	.004	.270	.240	.110	.100	.040	.0270
EL01FF	M	.180	1.020	.011	.002	.260	.270	.100	.100	.040	.0330

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EJ00JD	.0050	.010	.0005	.0100	.010	.002	.002	.003	.050	.346
RE01DA1		.000	.0000		.000					.313
EL01FE		.010	.0005	.0300	.010	.013	.005	.002	.050	.426
EL01FF		.010	.0008	.0300	.010	.020	.006	.003	.050	.404

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EJ00JD	71.0	L		48.8	32.0	62.0	132
RE01DA1	71.9			45.6	41.0		197
EL01FE	81.4	L		48.6	31.0	64.0	149
EL01FF	80.1	L		47.6	32.0	65.0	143

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EJ00JD						
RE01DA1						
EL01FE						
EL01FF						

Test: M=Mill Product

Type: L=Longitudinal

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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LAREDO TX 78041

Heat Code: EL01FE

WELDS RADIOGRAPHICALLY INSPECTED AND ACCEPTED PER

ASME SEC VIII PARA UW-51

WELD # I-30 I-31 I-32 I-33 I-34 I-35 I-36 I-37 I-38 I-39
I-40 I-41 I-42 I-43 I-44 J-44 THRU J-61

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Heat Code: EL01FF

WELDS RADIOGRAPHICALLY INSPECTED AND ACCEPTED PER
ASME SEC VIII PARA UW-51
WELD # I-45 I-46