

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

BPCS

Order Number: 7217

(271469-014) DOC #00142567 03/12/15 Date: 12/16/03

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO 66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN EOO DE MEX 54940

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
EJ03JS	3	12 X 10 STD ECC A106-B 48/12447 A/SA 234 - 01 WPB NORM. 1650 NACE MR0175
SL03HN	10	3 X 1 1/4 STD RED TEE A105 132/ QIP A/SA 234 - 02 WPB NORM. @ 1675F & A.C. NACE MR0175
EK02NZ	10	5 X 3 STD RED TEE A106-B 7/P80172 A/SA 234 - 01 WPB NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EJ03JS	M	.180	.980	.017	.008	.240	.140	.080	.080	.030	.0210
SL03HN	M	.190	.840	.004	.013	.210	.240	.080	.070	.015	
EK02NZ	M	.150	.590	.009	.005	.200	.170	.060	.050	.010	.0310

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EJ03JS		< .010	<.0005	<.0100	<.010	.009	<.002	.002	<.050	.381
SL03HN		.002			.002					.368
EK02NZ	.0084	< .010	<.0005	.0200	<.010	.008	<.002	<.001	<.050	.277

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EJ03JS	81.2	L		50.0	35.0	72.0	149
SL03HN	75.7			47.1	34.0	61.0	152
EK02NZ	72.3	L		50.9	31.0	65.0	116

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EJ03JS						
SL03HN						
EK02NZ						

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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Heat Code: SL03HN

*ELONGATION SHOWN IS WITH 1" SPECIMEN"