

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: 5529

(262585-016) INV #00127144 03/04/14 Date: 04/15/03

Sold to: TUBOS CONEXIONES Y TANQUES
 VALLE DE LAS ALAMEDAS NO 66 B
 SAN FRANCISCO CHILPAN
 TULTITLAN EOO DE 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	
EB03AA	4	18 X 10 STD CON	A/SA 234 - 01 WPB
		A106-B 159/819565	NORM. 1650
SC03DI	10	1 1/2 X 3/4 XH RED TEE	A/SA 234 - 01 WPB
		A105 132/ JOJ	NORM. @ 1675 F & A.C.

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EB03AA	M	.190	.780	.018	.009	.260	.180	.100	.050	.020	.0420
SC03DI	M	.190	.820	.006	.028	.250	.200	.090	.070	.018	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EB03AA		< .010	<.0005	<.0100	<.010	.011	<.002	<.001	<.050	.354
SC03DI		.004			.000					.364

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EB03AA	81.5	L		48.2	34.0	71.0	137
SC03DI	75.1	R		46.7	26.3	60.2	156

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EB03AA						
SC03DI						

Test: M=Mill Product

Type: L=Longitudinal R=Round

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