

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

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

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BPCS

Order Number: 8278

(278268-001) DOC #00155804 04/07/09 Date: 07/10/04

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
EC04AL	50	4 X 2 STD RED TEE A/SA 234 - 03 WPB A106-B 55/30013 NORM. 1650 NACE MR0175
EH03GT	100	2 1/2 STD TEE A/SA 234 - 01 WPB A106-B 9/A62280 NORM. 1650 NACE MR0175
RK98KJL	5	20 X 18 STD CON A/SA 234 - 88B WPB API5LX-52 09 A43444 NORM 1650 NACE MR0175
382WO	5	12 X 6 STD ECC A/SA 234 - 01 WPB A106B 133/9 A44599 HOT FORMED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC04AL	M	.170	.750	.015	.004	.290	.040	.030	.030	< .010	.0170
EH03GT	M	.210	.690	.015	.012	.230	.020	.030	.050	.020	.0280
RK98KJL	M	.230	1.260	.010	.010	.250	.020	.030	.090	.020	.0020
382WO	M	.190	1.040	.008	.004	.220	.010	.020	.060	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC04AL		< .010	<.0005	<.0100	<.010	.004	<.002	<.001	<.050	.309
EH03GT	.0060	< .010	<.0005	<.0100	<.010	.003	<.002	.005	<.050	.344
RK98KJL		.090	.0005	.0010	.010	.001				.483
382WO		.001			.001					.381

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC04AL	78.9	L		54.5	28.0	64.0	140
EH03GT	69.1	L		43.8	25.0	63.0	141
RK98KJL	85.1	T		58.0	32.0	63.0	197
382WO	72.0	L		42.9	41.0		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04AL						
EH03GT						
RK98KJL						
382WO						

Test: M=Mill Product

Type: L=Longitudinal 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