

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: 8205

(275611-002) DOC #00151336 04/05/05 Date: 05/06/04

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
EC04TZ	50	6 STD CAP A/SA 234 - 01 WPB A516-65 117/W4B676 NORM. 1650 NACE MR0175
EC04VF	10	16 STD CAP A/SA 234 - 01 WPB A516-65 117/E4C006 NORM. 1650 NACE MR0175
RK03BF	4	20 STD LR 90 DEG EL A/SA 234 - 02 WPB GRB 48 12683 AS ROLLED NACE MR0175
271WO	15	8 X 4 STD ECC A/SA 234 - 02 WPB A106B MIW 07/ R60229 HOT FORMED NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC04TZ	M	.150	.930	.016	.008	.190	.260	.150	.130	.030	.0200
EC04VF	M	.160	1.010	.018	.017	.180	.270	.110	.100	.020	.0210
RK03BF	M	.180	1.040	.014	.001	.240	.138	.070	.100	.035	.0180
271WO	M	.180	.880	.006	.004	.220	.180	.080	.090	.020	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC04TZ		< .010	<.0005	.0200	<.010	.009	.002	<.001	<.050	.366
EC04VF		< .010	<.0005	.0200	<.010	.010	.004	<.001	<.050	.379
RK03BF	.0060	.000	.0000	.0000	.000	.009				.394
271WO		.001			.020					.366

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC04TZ	73.6	T		50.7	32.0	68.0	134
EC04VF	75.2	T		49.9	30.0	66.0	143
RK03BF	77.1	L		53.1	44.0		197
271WO	72.6	T		51.0	31.7		197

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04TZ						
EC04VF						
RK03BF						
271WO						

Test: M=Mill Product

Type: T=Transverse 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