

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney * Ladish * Flo-Bend

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BPCS

Order Number: 8278

(278268-006) 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
EC04VC	10	24 XH CAP A/SA 234 - 01 WPB A516-65 117/W4C506 NORM. 1650 NACE MR0175
EK03ZR	10	16 XH CAP A/SA 234 - 01 WPB A516-70 106/B3S6083 NORM. 1650 NACE MR0175
ED03CH	4	20 X 14 STD RED TEE A/SA 234 - 01 WPB A106-B 9/A45771 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EC04VC	M	.170	1.030	.019	.018	.180	.270	.110	.100	.020	.0210
EK03ZR	M	.220	1.050	.020	.010	.180	.160	.070	.070	.010	.0320
ED03CH	M	.190	1.030	.010	.005	.220	.020	.020	.050 <	.010	.0280

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EC04VC		< .010	<.0005	.0300	<.010	.010	.005	<.001	.050	.392
EK03ZR		< .010	<.0005	<.0100	<.010	.008	<.002	.002	<.050	.428
ED03CH	.0040	< .010	<.0005	<.0100	<.010	.003	.003	.004	<.050	.378

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EC04VC	73.7	T		50.2	31.0	61.0	147
EK03ZR	78.3	T		48.0	31.0	66.0	156
ED03CH	77.0	L		47.8	33.0	74.0	137

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EC04VC						
EK03ZR						
ED03CH						

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