

CERTIFIED MATERIAL TEST REPORT

Trinity Fitting Group Inc.

Hackney \* Ladish \* Flo-Bend

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BPCS

Order Number: 7217

(271469-010) DOC #00142265 03/12/10 Date: 12/11/03

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
EH03HS	10	8 X 6 STD ECC A/SA 234 - 01 WPB A106-B 66/93714K NORM. 1650 NACE MR0175
128WO	10	10 X 5 STD ECC A/SA 234 - 02 WPB A106B 133/ 07/ R60022 HOT FORMED NACE MR0175
EK03JT	2	12 X 10 S/40 CON A/SA 234 - 01 WPB A106-B 140/P223889 NORM. 1650 NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
EH03HS	M	.170	.540	.014	.009	.220	.090	.040	.050	< .010	.0140
128WO	M	.190	.860	.005	.005	.220	.140	.070	.080	.020	
EK03JT	M	.210	.520	.021	.027	.210	< .050	.040	.020	< .010	.0200

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
EH03HS		< .010	<.0005	<.0100	<.010	.011	.002	.002	<.050	.282
128WO		.001			.001					.367
EK03JT		< .010	<.0005	<.0100	<.010	.004	<.002	.002	<.050	.310

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
EH03HS	74.8	L		46.6	37.0	71.0	121
128WO	74.1	T		51.8	33.7		197
EK03JT	76.4	L		44.0	31.0	66.0	124

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
EH03HS						
128WO						
EK03JT						

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