

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: 7217

(271469-009) DOC #00141890 03/12/05 Date: 12/06/03

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			
180WO	5	8 X 3 STD ECC	A/SA 234 - 02	WPB	
		A106B 133/ 07/ PY0199	HOT FORMED		NACE MR0175
EJ03IX	7	12 X 10 STD ECC	A/SA 234 - 01	WPB	
		A106-B 140/P310446	NORM. 1650		NACE MR0175
SK03GU	20	2 X 3/4 STD RED TEE	A/SA 234 - 02	WPB	
		A105 132/ PPU	NORM. @ 1675F & A.C.		NACE MR0175
SL03HG	5	3 X 1 1/4 STD RED TEE	A/SA 234 - 02	WPB	
		A105 132/ QIP	NORM. @ 1675F & A.C.		NACE MR0175

Chemical Analysis

Heat Code	Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al
180WO	M	.190	.880	.006	.005	.220	.190	.070	.070	.030	
EJ03IX	M	.200	.490	.024	.023	.240	.020	.020	.040	< .010	.0300
SK03GU	M	.190	.840	.005	.019	.260	.210	.080	.050	.019	
SL03HG	M	.190	.840	.004	.013	.210	.240	.080	.070	.015	

Chemical Analysis (cont.)

Heat Code	N	V	B	Ti	Cb	Sn	W	Pb	Co	CE
180WO		.001			.001					.374
EJ03IX	<	.010	<.0005	<.0100	<.010	.003	.002	.001	<.050	.296
SK03GU		.003			.000					.363
SL03HG		.002			.002					.368

Physical Properties

Heat Code	Tensile KSI	Type	Thickness	Yield KSI	% Elong. (4D)	% RA	Hardness HB
180WO	76.7	T		52.5	35.6		197
EJ03IX	71.9	L		41.1	37.0	67.0	114
SK03GU	78.3			50.0	34.4	63.9	149
SL03HG	75.7			47.1	34.0	61.0	152

Charpy Results

Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pounds	Later. Expansion	% Shear
180WO						
EJ03IX						
SK03GU						
SL03HG						

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