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: 6448 (267790-001) DOC #00132629 03/07/18 Date: 07/19/03

Sold to: TUBOS CONEXIONES Y TANQUES Ship to: TUBOS CONEXIONES Y TANQUES 001 C/O SPECIALIST IN TRANSIT FWR VALLE DE LAS ALAMEDAS NO 66 B SAN FRANCISCO CHILPAN 1801 MARKLEY - MODERN IND PARK 54940 TX78041 LAREDO

TULTITLAN EOO DE Quantity Description / Specifications Heat Code 24 STD LR 45 DEG EL A/SA 234 - 99 WPB RE02CZ A106B 9 A41342 AS ROLLED NACE MR0175 A/SA 234 - 01 RB03AX 20 STD LR 45 DEG EL WPB 6 A106B 48 98664 AS ROLLED NACE MR0175 WPB

20 STD LR 45 DEG EL A/SA 234 - 01 RC03DJ A106B 48 97213 AS ROLLED NACE MR0175 2 24 STD LR 90 DEG EL RE03HY A/SA 234 - 01 WPB 470 9 A61331 AS ROLLED NACE MR0175

Chemical Analysis Mn Ni Mo Heat Code Test Si

				ah.		77	/	⊢ \			
							1		No. of the second		
RE03HY	M	.180	.690	.008	.004	.230	.020	.040	.080	.020	
RC03DJ	M	.180	.680	.010	.002	.290	.107	.040	.050	.038	.0160
RB03AX	M	.180	.660	.012	.002	.290	.064	.030	.050	.025	.0190
RE02CZ	M	.160	.730	.010	.009	.230				.010	.0290

Chemical Analysis (cont.) Pb Co CE Heat Code N Тi Cb Sn .299 RE02CZ .001 .0001 .001 1 0

	.000	.0000	.0000	.000	.004				.311		
.0070	.000	.0000	.0000	.000	.006				.320		
	.001	.0001		.001					.319		
Physical Properties											
Tensile	KSI Type	Thickn	ess Yi	leld KS	I % Elc	ong. (4D)	% RA	Hardness	HB		
		.0070 .000	.0070 .000 .0000 .001 .0001 Physi	.0070 .000 .0000 .0000 .001 .0001 Physical Pr	.0070 .000 .0000 .0000 .000 .000 .001 .001	.0070 .000 .0000 .0000 .000 .006 .001 .0001 .001 Physical Properties	.0070 .000 .0000 .0000 .006 .001 .001 .001 Physical Properties	.0070 .000 .0000 .0000 .006 .001 .0001 .001 Physical Properties	.0070 .000 .0000 .0000 .006 .001 .0001 .001 Physical Properties		

neat code	Tensite voi	Type	THICKHESS	TIEIG NO.	r a prond.	(4D) 8 KA	natuness no	1		
RE02CZ	68.0			46.4	46.0		147			
RB03AX	71.7			48.0	49.0		197			
RC03DJ	72.5			46.8	43.0		197			
RE03HY	70.0			47.2	44.0		174			
Charpy Results										
Heat Code	Size x 10mm	Type	Temp. (F)	Foot Pour	nds Later.	Expansion	% Shear			

RC03DJ			
RE03HY			

Test: M=Mill Product

Type:

RE02CZ RB03AX

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