



**MATERIAL TEST REPORT - QUALITY MANAGEMENT SYSTEM**

FORZA STEEL - PRODUCTION FACILITY:

Carretera Salinas Victoria K.m. 2 s/n Salinas Victoria, Nuevo León, México C.P. 65500 Tel: +52 (51) 1958-3780

Packing List	5007127	Cod (Code):	FPD-PR-01106
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		Page (Hoja):	1/2

CUSTOMER (Cliente)				PURCHASE ORDER (Orden de Compra)				DELIVERY (Remisión)			DATE (Fecha)		REFERENCE NUMBER (No. Referencia)	
PLESA ANAHUAC Y CIAS., S.A DE C.V.				20080				2720			08/03/2019		08032019-2720	
PIPE TYPE PRODUCT (Tipo de producto)	WORK ORDER (OIF)	SIZE (Diámetro)	WALL THICKNESS (Espesor)	HEAT NO. (No. Colada)	PRODUCT SPECIFICATION LEVEL (Especificación Norma)	GRADE (Grado)	LENGHT (Longitud)	MASS (Peso Unitario)		MASS PER METER (Peso Lineal kg x metros)	HYDROSTATIC TEST (Prueba Hidrostatica (psi))	SPECIAL REQUIREMENTS (Requerimientos especiales)	PIPES /TUBES QTY (No. Piezas)	
								Lbs	Kg					
HSS	OIF 1433	8x8	0.312	1712696	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	2	
HSS	OIF 1433	8x8	0.312	D17511312	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	1	
HSS	OIF 1433	8x8	0.312	D17511317	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	1	
HSS	OIF 1433	8x8	0.312	D17611163	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	2	
HSS	OIF 1433	8x8	0.312	D17710648	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	1	
HSS	OIF 1433	8x8	0.312	D17810820	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	2	
HSS	OIF 1433	8x8	0.312	D17810829	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	1	
HSS	OIF 1433	8x8	0.312	D17810833	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	2	
HSS	OIF 1555	8x8	0.312	AB4622	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	4	
HSS	OIF 1555	8x8	0.312	AB4623	ASTM A500	B	12.20	1268.94	575.58	47.21	N/A	N/A	2	

Lotes 1433-55-17, 1433-49-4, 1555-28-3, 1555-27-24, 1433-48-4, 1433-49-5, 1433-48-6, 1433-52-11, 1433-64-22, 1555-28-4, 1433-20-19, 1433-21-3, 1555-27-25, 1433-54-19, 1433-26-9, 1433-55-12, 1555-28-2, 1555-28-1

Chemical Analyses (Análisis Químico)											Mechanical Test (Pruebas mecánicas)		
Heat (Colada)	C	Si	Mn	P	S	V	Cr	Cu	Ni	Mo	Yield Strength (KSI) (Límite elástico)	Tensile Strength (KSI) (Última tensión)	Elongation (%) (Elongación)
1712696	0.122	0.0015	0.89	0.012	0.0029	0.0046	0.0067	0.0023	0.015	0.0044	49.40	60.40	25
D17511312	0.115	0.068	0.275	0.021	0.0067	0.0045	0.029	0.017	0.012	0.0044	56.70	64.60	28
D17511317	0.107	0.097	0.269	0.013	0.0038	0.0037	0.015	0.0066	0.0049	0.0038	49.40	62.10	27
D17611163	0.102	0.087	0.281	0.025	0.0066	0.0058	0.017	0.015	0.011	0.0044	53.80	67.00	30
D17710648	0.092	0.086	0.278	0.025	0.0063	0.0059	0.014	0.015	0.011	0.0045	57.20	69.80	26
D17810820	0.099	0.074	0.289	0.021	0.0059	0.0043	0.026	0.017	0.012	0.0043	54.20	64.60	24
D17810829	0.1	0.098	0.271	0.012	0.0054	0.0034	0.018	0.013	0.014	0.0048	61.70	76.60	26
D17810833	0.127	0.107	0.266	0.012	0.0033	0.0039	0.018	0.013	0.0066	0.0035	61.80	71.30	23
AB4622	0.027	0.021	0.686	0.026	0.0069	0.0051	0.13	0.292	0.105	0.056	50.30	63.50	48
AB4623	0.029	0.022	0.631	0.024	0.0052	0.0054	0.143	0.291	0.119	0.052	51.30	64.80	46

FORZA STEEL certify that this MTR covers the material here in described. That it has been manufactures, sampled tested and inspected as stated . FORZA STEEL is not an will not be responsible for any missusage  
 Este certificado ampara los números de serie de los tubos manifestados, los cuales fueron fabricados, inspeccionados y aceptados de acuerdo a los requerimientos de las especificaciones arriba mencionadas.

Approve (Autorizó)

*Edgar Olivo*

Ing. Edgar Eduardo Olivo Hernández  
 Control de Calidad y Laboratorio  
 (Responsable)