

**MATERIAL TEST REPORT - QUALITY MANAGEMENT SYSTEM**  
**CONSTANCIA DE INSPECCION**  
**INSPECCION CONSTANCY**  
**(EN UNIDAD S.L. - ISO 9001:2015)**  
**FORZA STEEL - PRODUCTION FACILITY**  
 Carretera Salinas Victoria Lm. 2 y/4 Salinas Victoria, Nueva Esparta, Mérida C.P. 55000 Tel: +52 (91) 358-1794

|   |   |  |  |   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|---|---|--|--|---|---|--|---|--------|--------|--------|--------|----------|--------|--------|--------|--|-----|-----|---|-----|----|----------------|-----|--------|
| <b>FORZA STEEL</b>  |   | Packaging Unit: 10000552   |  | Cod (Code): FPD-PR-01-07                    |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Edition (Edición): 20   |   | Date of Rev (Fecha Rev): 27/08/2022                                |  | Rev: 1                                      |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Page (Página): 1  |   | Reference Number: 27082022-2005                                    |  | 1   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| API Plant # (Número de Planta): 7358  | License (Licencia): SL-0842   | Customer (Cliente): SUNBELT GROUP C/O NIELCO WAREHOUSE             | Purchase Order: 25.595                         | Delivery (Entrega): 810002065               | Date: 27/08/2022  |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Facility (Planta): FORZA STEEL - PRODUCTION FACILITY                          | By (Por): JOSE ALVARADO   | Product Specification Level (Nivel): PELT API SQA5TM ASSA5ME BA 53 | Grade (Grado): B                               | Mass (Peso Unitario): 266.03 Lbs, 180.87 Kg | Mass per meter kg x meter (Peso Lineal kg x metro): 28.25 |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Flow Type Product Tipo de producto: HFW                                       | Work Order (Orden Interna de Fab.): QF 5179   | Size (Diámetro): 8.625   | Wall Thickness (Espesor): 0.250                | FI (Pulg): 7.11                             | MI (mm): 21   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Heat No (Caleña):   | 51790312A, 51790182A, 517900408B, 517900308B, 517900108B, 517900108B, 517900424B, 517900421B, 517902221B, 517903422A, 517902222A, 517901427A, 517903408A, 517901506B, 517902223B, 517900308B, 517902222B, 517900212B, 517900118B, 517901315B, 517900120B, 517900304B, 517900304B, 517900420B, 517900108B, 517900404B, 517900108A, 517900120A, 517903113B, 51790315A, 517901430A, 517903413A, 517901502A, 517903322A, 517903302A, 517903304A, 517900418B, 51790426B, 517901821A, 517903421A, 517903421A, 517902403A, 51790050B, 517903421B, 517901502B, 517901425B, 517901425B, 517900418B, 517903324B, 517902212B, 517901426B, 517903512B, 517903302B, 517903307A, 517901830A, 51790315B, 517903322B, 517901427B, 517900418B, 51790426B, 517901821A, 517903421A, 517902403A, 51790050B, 517903421B, 517901502B, 517901425B, 517901425B, 517901800A, 517901822A, 517901822A, 517901810A, 517901832B, 517900411B, 517901810B, 517900414B, 51790050B, 51790050A, 517902317A, 517902326A, 517901222B, 517901616B, 517901817B, 517900427B, 517901618B, 517900428B, 517900410B, 517901820B, 517900413B, 517901821B, 517900412B, 517900412B, 517901804B, 517902326B, 517901814B, 517902407B, 517901807B, 517902324B, 517900408B, 517900416B, 517900418B, 517903318A, 517903318A, 517902326A, 517902326A, 517903104B, 517903319B, 517902318A, 517901814A, 517902315A, 517903104A, 517902408A, 517902325A, 517902407A, 517902315B, 517900704A, 517901809A, 517902324A, 517901807A, 517901808A, 517901804A, 517900508B, 517901810B, 517901012B, 517901016B, 517901015B, 517901014B. |  |  |   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| <b>Mechanical Test Results (Pruebas de laboratorio Propiedades Mecánicas)</b> |   |  |  |   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| <b>Hydrostatic Test (PSI) (Prueba Hidrostática)</b>                           |   |  | <b>Seam annealing (Tratamiento Térmico)</b>    |   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| HEAT No (Caleña)  | Pressure (Presión)  | Time (Duración)  | Type (Tipo)                                    | Temperature (Temperatura)                   | Metallurgy (Metalografía)                                 |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  |  | (T ° F min)                                 |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  |  | (T ° C min)                                 |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 201181C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | 1830  | 10 seg.  | NORMALIZED                                     | 1724  | 940   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| <b>Fracture Toughness Test (Charpy V-Notch)</b>                               |   |  |  |   |   |  |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| HEAT No (Caleña)  | ORIENTATION (Orientación)   | SIZE USED (Tamaño)   | TEMPERATURA (Temperatura)                      |   |   | VALLE SPECIFIED (Valores especificados)      |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  | C  | F   |   | MIN. INDIVIDUAL (Mínimo Individual) (FT-LBF) | MIN. AVERAGE (Mínimo Promedio) (FT-LBF) |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  | ABSORBED ENERGY (FT-LBF) (Energía absorbida)   |   |   | SHEAR AREA % (% Fractura Ductil)             |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  | Orientation (Orientación) Location (Ubicación) |   |   | AVERAGE (PROMEDIO)                           |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  | 1  | 2   | 3   | 1  | 2                                       | 3      |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
|   |   |  |  |   |   | AVERAGE (PROMEDIO)                           |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 201181C28   | L   | M.B.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 201181C28   | L   | W.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | M.B.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | W.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | M.B.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | W.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | M.B.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | W.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | M.B.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| 688961C28   | L   | W.   | N/A  | N/A   | N/A   | N/A  | N/A                                     | N/A    |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| <b>Chemical Composition (Análisis Químico)</b>                                |   |  |  |   |   | <b>Mechanical Test (Pruebas mecánicas)</b>   |   |        |        |        |        |          |        |        |        |  |     |     |   |     |    |                |     |        |
| Heat (Caleña)   | C (%)   | B (%)  | Mn (%)   | P (%)                                       | S (%)   | V (%)  | Nb (%)                                  | Cr (%) | Cu (%) | Ni (%) | Mo (%) | Ni (ppm) | Ti (%) | Ca ppm | Ci ppm | Yield Strength (ksi) (Límite elástico) |     |     | Tensile Strength (ksi) (Límite tensión) |     |    | ELONGATION (%) |     | RYS/TS |
|   |   |  |  |   |   |  |   |        |        |        |        |          |        |        |        | L                                      | T   | W   | L                                       | T   |    |                |     |        |
| H 201181C28   | 0.130   | 0.000  | 0.100  | 0.014                                       | 0.004   | 0.001  | 0.001                                   | 0.012  | 0.010  | 0.008  | 0.006  | 0.042    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 201181C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| H 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |
| F 688961C28   | 0.130   | 0.000  | 0.090  | 0.012                                       | 0.004   | 0.001  | 0.001                                   | 0.010  | 0.009  | 0.008  | 0.006  | 0.039    | 0.001  | -      | -      | 82.87                                  | N/A | N/A | 64.22                                   | N/A | 39 |                | N/A |        |

Forza Steel certifica que los productos descritos en este documento fueron fabricados en cumplimiento de los requerimientos de la especificación descrita, obteniendo resultados satisfactorios en todas sus pruebas e inspecciones incluidas en los planes de calidad de forza steel para cumplir con los requerimientos del pedido en referencia.

Forza steel certifies that the products described in this document were manufactured in compliance with the requirements of the specification described, obtaining satisfactory results in all tests and inspections included in the quality plans of Forza Steel to meet the requirements of the order in reference.

Approved (Autorizado)  
 Eduar Eduardo Oliva Hernández  
 QUALITY ASSURANCE MANAGER