

Alesa

327A-1



VILLACERO

MILL TEST REPORT

PRODUCT: 1/2" C80 ASTM A-53-A / NMX B-177
FINISHING: TUBO BARNIZADO EXTREMO LISO

CUSTOMER: BDOEGA PYLSA

SHIPPING DATE: 09/07/13

SPORT PLATAFORM:

MUÑOZ MOTE JENNY

INVOICE: 5756T
ORDER: N/A

TRANSPORT/ TRANSPORTE:

MANUFACTURER/ PLANTA : LAMINA Y PLACA COMERCIAL S.A DE C.V.
DIEGO DIAZ DE BERLANGA, NO. 1002 SUR
SAN NICOLAS DE LOS GARZA, NUEVO LEON, MEXICO

I HEREBY CERTIFY THAT THE PRODUCT ACCOMPLISHED WITH THE SPECIFICATION TO THE INVOICE AND/ OR REMISSION (DATABASE OF SYSTEM).
ESTE PRODUCTO FUE FABRICADO BAJO LA NORMA QUE SE DESCRIBE HACIENDO CUMPLIR LOS REQUERIMIENTOS DE LA ESPECIFICACION (BASE DE DATOS DEL SISTEMA).

PROCESS: HEW / HOT STRECHT REDUCTION MILL.

Table with 10 columns: DATE, SHIFT, OPER, ORDER OP #, GRADE, MANUFACT PROCESS, HEAT TREATMENT, OUTSIDE DIAMETER (In), Thickness (In), LENGTH (Mts). Row 1: 21/06/13, 1, COM, 74, A, E, 900°C, 0.840, 0.147", 6.40

Table with 9 columns: HEAT NUMBER (COLADA), HYDROSTATIC TEST (PSI), DELIVERY CONDITION, TIME (Sec.), NON-DESTRUCTIVE TEST (PND), METALLOGRAPHY TEST, BONDING TEST, FLATTENING TEST, VISUAL INSPECTION. Row 1: 350092011, 857, N, S, OK, N/A, N/A, OK, OK

Table with 10 columns: HEAT NUMBER (COLADA), %C, %Mn, %P, %S, %Si, %Cr, %Mo, %Ni, %Cu. Row 1: 350092011, 0.0870, 0.3000, 0.0080, 0.0130, 0.0190, 0.0000, 0.0000, 0.0000, 0.0000. Row 2: %Nb, %N, %Ti, %V, YIELD ST (PSI), UT (PSI), % ELONG, HARDNESS (HRb), CARBON EQUIVALENT %. Row 2: 0.0000, 0.0000, 0.0000, 0.0000, 52100, 57400, 28.110, 74, N/A

Table with 5 columns: HEAT IDENT NUM, ABSORBED ENERGY (FT-LB) (1, 2, 3), AVERAGE, TEMPERATURE TEST °C. Row 1: 350092011, N/A, N/A, N/A, N/A, N/A

NOTE: THE SUM OF THE NIOBIUM, VANADIUM AND TITANIUM CONCENTRATIONS SHALL BE <= 0.15%
NOTA: LA SUMA DE LA CONCENTRACION DE NIOBIO, VANADIO Y TITANIO NO DEBE SER <= 0.15%

I HAVE PERSONAL KNOWLEDGE AS TO ACCURACY OF THE ABOVE INFORMATION, AND HAVE AUTHORITY TO SIGN ON BEHALF OF THE COMPANY.
TENGO EL CONOCIMIENTO Y AUTORIZACION EN NOMBRE DE LA COMPAÑIA PARA AVALAR ESTA INFORMACION.

SINCERELY

Signature and Quality Assurance Manager title