

CLIENTE / Customer / Client
**PESA ANAHUAC Y CIA S, S.A.C Y
 AV. VALLE DE LAS ALAMEDAS, 66-0
 COL. SAN FRANCISCO CHILPAN
 59940 TULTILAN-EDO. DE MEXICO**

CERTIFICADO DE INSPECCION
 Works Certificate - Certificat d'Usine

DIN EN 10204 / 3.1
 ISO 10474 / 3.1

FECHA / Date: 28/02/2006

Nº / No: 105281

HOUJA / Page: 1

Nº / SGI 1922164

PRODUCTO / Article - Produit: **BRIDAS**
 NORMAS APLICABLES / Requirements - Normes Applicables: **ASME B16.5.96**

SU PEDIDO N° / Your Order No: **919 (28.01.06)**
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DE / of - de: **28/01/2006**

Certified acc. PED 9723/EC
 by TÜV Rheinland
 N° 01 202 E/D 02 7443

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 20550 ONATI (Gipuzkoa) SPAIN
 Tel. 34 - 943 780552
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ULMA FORJAS, S.COOP

MARKA DEL FABRICANTE / Marque du fabricant



50656

MATERIAL CORRESPONDIENTE / Material Correspondant - Qualité: **ASTMA105N-03**
ASME SA105N-03
 MODO DE FUSION (*) / Steel Making - Elaboration de l'acier: **NACE MR-01-75/03**
 E = Elec Y = Oxigeno basico

DEPARTAMENTO / Department: **GARANTIA CALIDAD**

PARTIDA / Item / Poste	CANTIDAD / Quantity / Quantité	DESCRIPCION / Description	RESISTENCIA / T Strength / Résistance	LAST BRIST / Y Strength / Limite élast / Minimis	ALARGUE / Elongation / Allongement / To 4 d / Minimis	RESIL EN CIA / Impact test / Résilience / Joules	ACERA / Average / Moyenne	TEMPERATURA / °C	DUREZA / Hardness / Dureté / HB
1	196	WN 4 150LB S40 RF A105N	518	313	32.50	64.70	149	150	
4	33	WN 10 150LB S40 RF A105N	517	315	31.70	64.00	150	150	
4	3	WN 10 150LB S40 RF A105N	518	320	32.70	65.00	150	150	
7	100	WN 1 300LB S40 RF A105N	515	312	32.50	65.00	150	150	
8	88	WN 3 300LB S40 RF A105N	518	316	32.70	64.00	150	150	
8	9	WN 3 300LB S40 RF A105N	517	313	32.00	64.70	150	150	
8	20	WN 16 150LB S40 RF A105N	518	316	32.80	64.50	150	150	
13		SO 16 150LB S40 RF A105N	518	315	32.70	65.50	150	150	

COMPOSICION QUIMICA - STEEL MARKER'S LADLE ANALYSIS - ANALYSE CHIMIQUE

COLADA N° / Heat No / N° Coulees	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Nb %	V %	Cu %	CEQ %
18A6	0.190	0.230	0.840	0.009	0.003	0.080	0.090	0.020	0.007	0.001	0.230	0.372
300A5	0.190	0.230	0.860	0.014	0.002	0.120	0.100	0.030	0.007	0.002	0.250	0.387
319A5	0.190	0.250	0.860	0.010	0.001	0.070	0.100	0.030	0.007	0.001	0.220	0.375
320A5	0.180	0.260	0.840	0.008	0.005	0.130	0.120	0.050	0.007	0.001	0.260	0.382
32A6	0.190	0.250	0.840	0.011	0.005	0.090	0.100	0.030	0.007	0.001	0.230	0.376
417A5	0.180	0.260	0.840	0.018	0.004	0.140	0.090	0.030	0.007	0.001	0.270	0.378
431A5	0.190	0.240	0.820	0.011	0.007	0.080	0.100	0.020	0.007	0.001	0.240	0.370
9A6	0.190	0.280	0.820	0.014	0.002	0.130	0.090	0.040	0.007	0.001	0.260	0.384

- Las dimensiones y la condición superficial se hallaron satisfactorias
- Dimension and surface condition were found acceptable
- Les dimensions et états de surface sont satisfaisants
- Los materiales, checks cumplen los requisitos aplicables
- Manufacturing requirements are satisfied
- Les normes applicables sont respectées

(*) OBSERVACIONES / Remarks / Observations

N NORMALIZADO A 900 C Y ENFRIADO EN AIRE EN CALMA



EL INSPECTOR / Works Inspector - L'inspecteur