



STAHLWERK THÜRINGEN
Grupo Alfonso Gallardo

A03 **Certificate No. 3873/5-2010** 1/1
Advice No. A100531076

A02 Test Report
according to ASTM A6

42486

A01 Stahlwerk Thüringen GmbH
A05 Quality Assurance Department
Kronacher Straße 6
07333 Unterwellenborn
Germany

A04 **SWT**
A06

Trade Acero S.A. de C.V.
Col. Centro Sur
Av. Manuel Gómez Morin 3970-F
76090 Santiago de Querétaro
MEXICO

A08 Our Order No.: 2013992110
A07 Your Order No.: TAC87

B02 Quality: ASTM A992-06A
according to: CSA G40.21-04 50W/
ASTM A572-07 GRADE 50/
A992-06A (TRIPLE CERTIFIED)

Pos.	Heat No.	Dimension	Length	Pieces	Weight
A10	B07	B01	B09	B08	B13
001	79790	W 4X4X13	480 in	54	12 725 kg

Heat Analysis [%]										
Heat No.	C	Si	Mn	P	S	N	Nb	V	Cr	Cu
B07	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80
max	0.23	0.40	1.50	0.035	0.045	0.012	0.050	0.110	0.35	0.60
min		0.10	0.50							
79790	0.08	0.21	1.12	0.018	0.018	0.008	0.015	0.006	0.07	0.26

Heat Analysis [%]				
Heat No.	Ni	Mo	CEV1	Sn
B07	C81	C82	C93	C83
max	0.46	0.15	0.45	
min				
79790	0.11	0.06	0.32	0.015

Tensile test				
Heat No.	Yield stress [PSI]	Tensile strength [PSI]	Elongation 2 in [%]	Ys/Ts
B07	C11	C12	C13	C14
max	65000			0.85
min	50000	65000	21.0	
79790/1	52490	72500	37.0	0.72
79790/2	54230	72935	42.9	0.74

B14

Z03 Works inspector
Renate Schmidt

Schmidt

Z02 May 31, 2010