VOLZHSKY TRUBNY

"VOLZHSKY PIPE PLANT"
OJSC

404119, Volzhsky, Volgograd region, Russia

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MANUFACTURER:

VOLZHSKY PIPE PLANT OJSC
404118, VOLZHSKY
VOLGOGRAD REGION
RUSSIA

MILL TEST CERTIFICATE

Spec 1383/72/TMK POA 09-0009
DESCRIPTION OF GOODS:
CARBON STEEL SEAMLESS PIPES ACCORDING TO API SPEC. 5L PSL2 (44TH EDITION/YEAR 2007)X42,B/ASTM A106/A 106M (2006 EDITION)B/C/ASTM A53/ A 53M (2006 EDITION) B/C/ASME SA 106(2004 EDITION)/ASME SA53 (2004 EDITION), BEVELLED ENDS. HARDNESS TEST MAX. 22 HRC AS PER NACE MR01-75.
20 3/4" # 1.000" (273.1 x 25.4 mm)

"AMERICAN PIPING PRODUCTS"
707 SPIRIT 40 PK DR. STE 110
CHESTERFIELD MO 63005, USA.

CERTIFICATE # 440 DATE OF ISSUE 31.03.2009

SIZE	HEAT No / HEAT TREATMENT LOT No	LOT No	QUANTITY, PIPES	LENGTH, FEET	NET WEIGHT TONS	CHEMICAL COMPOSITION, % C x100	Si x100	Mn x100	P x1000	S x1000	Cr x100	Ni x100	Cu x100	Mo x100	Ti x100	Nb x100	MILL CONTROL PROT. NO	ORIENTATION	TENSILE TEST: TEST SPECIMEN	GL. "C": YS ksi	GL. "C": UTS ksi	EL. %	HARDNESS TEST HRC	IMPACT TEST: ORIENTATION	NOTCH	SIZE	TEST TEMP °C	IMPACT VALUE	FRACTURE %	HEAT TREATMENT	NDT	HYDROSTATIC TEST: DURATION (SECONDS)	PERSSURE KG/CM2 (MPa)	NOTE
						* 1	28 max	10 min	23 106 max	30 max	30 max	40 max	40 max	40 max	15 max			* 2	* 3	* 4	min 42100	min 70000	min 22.0	max 22.00	* 3	* 5	* 6	* 7			* 8	* 9 * (10)	min 5	min 468.00 (45.90)	34
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
GRADE X42/B 10.75x1.000" 273.1x25.4MM API 5L/ISO 3183 ,PSL1 GRADE B/C ASTM A106 / A106M / A53/ A53M / ASME SA-106/SA-53	290580	3-0281	59	2374.82	112.460	H 16 P 16 P 16	26 27 27	66 64 65	6 6 6	1 4 3	14 14 14	17 16 17	26 26 26	3 3 3	0 0 0	0 0 0	6688 6688 6688		L	B												O4T	M & UT (12)	G	G	CARBON STEEL SEAMLESS PIPES ACCORDING TO API 5L (2007) ASTM A106(2006) ASTM A53 (2006) ASME SA-106(2004) ASME SA-53(2004) LENGTH: MIN 40'-38-41 FT MAX 20'-36-38 FT MINIMUM HYDROSTATIC PRESSURE P= 6660 PSI HARDNESS TEST MAX.22 HRC IS IN ACCORDANCE WITH NACE MR0175.
	11																1582	L			52836	74667	34.1	1.0									

DESCRIPTION OF TESTS	VISUAL AND DIMENSIONS	BEVELING INSPECTION	END'S PROTECTORS	NONDESTRUCTIVE INSPECTION	COATING	FLATTENING TEST	MARKING: STENCILLING	STEEL MAKING PROCESS -
	G	G	G	G	G	G	G	ELECTRIC FURNACE

NOTES:
G: GOOD
*1: X: HEAT ANALYSIS, P: PRODUCT ANALYSIS, C: CONTROL ANALYSIS, R: RECHECK ANALYSIS
*2: L: LOT TEST, H: HEAT CONTROL TEST, A: ADDITION TEST, R: RECHECK TEST
*3: L: LONGITUDINAL, T: TRANSVERSE
*4: STRIP G: 1/2 in, H: 1 in, K: 1 1/2 in, S: 12 mm, RING R: 1/2 in.
*5: V: 2mm V, U: 2mm U, B: 2mm C, C: 4mm U, E: 2mm U FASE NOTCH, F: 2mm V FASE NOTCH
*6: F: 10x10mm, 7: 10x7.5mm, 6: 10x6.7mm, 5: 10x5mm, 3: 10x3.3mm, 2: 10x2.5mm
*7: E - EACH VALUE, A - AVERAGE VALUE
*8: HEAT TREATMENT. QNT: QUENCHED & TEMPERED
*9: M: WET FLUORESCENT MAGNETIC PARTICLE TEST, EMI: ELECTROMAGNETIC TEST.UT: ULTRASONIC TEST
UTB: PIPE BODY UT FOR LAMINATION, UTE: PIPE ENDS UT FOR LAMINATION
UTS: PIPE WALL THICKNESS UT
*10: 5 - NOTCH 5%, 12 - NOTCH 12.5%

TOTAL: QUANTITY OF PIPES 59 PCS NET WEIGHT 112.460 T LENGTH 2374.82 ft

WE CONFIRM THAT PIPES HAS NO CONTAMINATION BY MERCURY AND NO REPAIR BY WELDING HAS BEEN CARRIED OUT.
MTC COMPLY WITH THE STANDARD EN 10204.3.1B.

ОТК

MANAGER - INSPECTION
VOLZHSKY PIPE PLANT
DATE: 31.03.09

From: American Piping
PO#: 8573

Part: 107501000 Date: 7/20/2010 To: AMERICAS DISPATCH Qty: 0 Heat#: 290580 SO#: S215021 Ln#: 1

CHEMICAL
COMPOSITION,%

	V	B	Nb+V+Ti	Cu+Cr+Mo+Ni+V
1	x 100	x 10000	x 100	x 100
	8 max		25 max	100 max
HI	0	4	0	60
PI	0	3	0	60
PI	0	2	0	60

WE CONFIRM THAT PIPES HAS NO CONTAMINATION BY MERCURY AND NO REPAIR BY WELDING HAS BEEN CARRIED OUT.
MTC COMPLY WITH THE STANDARD EN 10204.31B.

Волжский трубный завод ОТК

MANAGER - INSPECTION
VOLZHSKY PIPE PLANT
DATE: 31-03-09