VOLZHSKY TRUBNY

"VOLZHSKY PIPE PLANT"
OJSC

404119, Volzhsky, Volgograd region, Russia

Fax: (78443) 25-69-02
E-mail: VIZ @ SPRINT-V.com.ru

MANUFACTURER:

VOLZHSKY PIPE PLANT OJSC
404119, VOLZHSKY
VOLGOGRAD REGION
RUSSIA

MILL TEST CERTIFICATE

Spec 1393/72/TMK PO# 09-0009
DESCRIPTION OF GOODS:
CARBON STEEL SEAMLESS PIPES ACCORDING TO API SPEC. 5L PSL1 (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 min/act	GL. 'C': UTS min/act	EL. %	HARDNESS TEST HRC	IMPACT TEST: ORIENTATION	NOTCH	SIZE	TEST TEMP °C	IMPACT VALUE	FRACTURE %	HEAT TREATMENT	NDT	HYDROSTATIC TEST: DURATION (SECONDS)	HYDROSTATIC TEST: PRESSURE 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	420 min	760 min	min 22.0	max 22.00		* 3	* 5	* 6		* 7			* 8	* 9 * (10)	min 5	min 468.00 (45.90)	
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	38
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	26	66	6	1	14	17	26	3	0	0	6688		L	B											04T	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= 4660 PSI HARDNESS TEST MAX.22 HRC IS IN ACCORDANCE WITH NACE MR0175.
						P 16	27	64	6	4	14	16	26	3	0	0	6688																
						P 16	27	65	6	3	14	17	26	3	0	0	6688																
	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: H: 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, H: 2mm U SAW NOTCH, P: 2mm V FASH NOTCH
*6: F: 10x10mm, 7: 10x7.5mm, 6: 10x6.7mm, 5: 10x5mm, 3: 10x3.3mm, 2: 10x2.5mm
*7: H - RACE VALUE, A - AVERAGE VALUE
*8: HEAT TREATMENT. QHT: 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.

ВОЛЖСКИЙ ТРУБНЫЙ ЗАВОД ОТК ОАО

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
	x 100	x 10000	x 100	x 100
	8 max		25 max	100 max
H	0	4	0	60
P	0	3	0	60
P	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.

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