VOLZHSKY TRUBNY

"VOLZHSKY PIPE PLANT"
OJSC

404119, Volzhsky, Volgograd region, Russia

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MILL TEST CERTIFICATE

MANUFACTURER:

VOLZHSKY PIPE PLANT OJSC
404119, VOLZHSKY
VOLGOGRAD REGION
RUSSIA

SPEC 1237/72/PO# 22336RJ, TMK PO#: 08-0340
DESCRIPTION OF GOODS:
CARBON STEEL SEAMLESS PIPES ACCORDING TO API 5L PSL1 (43RD EDITION/ YEAR 2004)X42.B/ASTM A106/A 106M (2006 EDITION)GR.B/C/ASTM A53/A 53M (2006 EDITION)GR.B/C/ASME SA 106(2004 EDITION)/ASME SA53 (2004 EDITION), BEVELLED ENDS. HARDNESS TEST MAX. 22 HRC IS IN ACCORDANCE WITH NACE MR01-75.
16" x 1.031" (406.4 x 26.2 MM)

"VASS PIPE & STEEL CO., INC."
158 THIRD STREET
MINEOLA, NY 11501

CERTIFICATE N 1220 DATE OF ISSUE 23.07.2008

SIZE	HEAT No / HEAT TREATMENT LOT No	LOT No	QUANTITY, PIPES	LENGTH, FEET	NET WEIGHT TONS	CHEMICAL COMPOSITION, % C x 100	Si x 100	Mn x 100	P x 1000	S x 1000	Cr x 100	Ni x 100	Cu x 100	Mo x 100	Ti x 100	Nb x 100	MILL CONTROL PROT. No	ORIENTATION	TENSILE TEST TEST SPECIMEN	GL. 'C' YS PSI	UTS PSI	EL. %	HARDNESS TEST HRC	IMPACT TEST ORIENTATION	NOTCH	SIZE	TEST TEMP *C	IMPACT VALUE	FRACTURE %	HEAT TREATMENT	ND T	HYDROSTATIC TEST DURATION (SECONDS)	PRESSURE KG/CM2 (MPa)	NOTE
						*1	28 max	10 min	29 min 106 max	30 max	30 max	40 max	40 max	40 max	15 max	4 max		* 2	* 3	* 4	min 42000	min 70000	min 24.0	max 22.00	* 3	* 5	* 6		* 7		* 8	* 9 * (10)	min 5	min 211.14 (20.70)	
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
GR.B/X42 16" x1.031"406.4 x26.2MM API 5L.PSL1 GR.B/C ASTM A106 / A106M / ASTM A53/A53M ASME SA-106 ASME SA-53	282474 10	3-1184	4	162.14	12.185	H	19	29	46	7	4	7	12	28	2	0	0			L	N														G	G	CARBON STEEL SEAMLESS PIPES ACCORDING TO API 5L (2004) ASTM A106(2006) ASTM A53(2006) ASME SA-106(2004) ASME SA-53(2004) LENGTH: MIN 80%=38-41 FT MAX 20%=36-38 FT MINIMUM HYDROSTATIC PRESSURE P= 3000 PSI HARDNESS TEST MAX.22 HRC IS IN ACCORDANCE WITH NACE MR0175.
						P	20	28	47	7	5	7	12	29	2	0	0	4192																			
						P	19	27	47	7	5	7	12	29	1	0	0	4192																			
																		5049	L			48489	75227	32.5	1.0												

DESCRIPTION OF TESTS	VISUAL AND DIMENSIONS	BEVELING INSPECTION	END'S PROTECTORS		COATING							FLATTENING TEST	MARKING: STENCILING	STEEL MAKING PROCESS
	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, M: HEAT CONTROL TEST, A: ADDITION TEST, R: RECHECK TEST
*3: L: LONGITUDINAL, T: TRANSVERSE
*4: STRIP G: 1/2 in, N: 1 in, K: 1 1/2 in, S: 12 mm, RING N: 1/2 in.
*5: V: 2mm V, U: 2mm U, B: 3mm U, 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, Q&T: 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 4 PCS NET WEIGHT 12.185 T LENGTH 162.14 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 10204.31B.

Волжский трубный ОТК для сертификатов ЗАВОД

MANAGER - INSPECTION
VOLZHSKY PIPE PLANT
DATE: 15.8.18

CHEMICAL
COMPOSITION, %

V	B	Nb+Ti	Cu+Cr+Mo+Ni+V
x	x	x	x
100	100000	100	100
8		5	100
max		mix	max
3	4		52
3	3		53
3	3		52

Heat # 282474 ✓

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
для сертификатов

MANAGER - INSPECTION
VOLZHSKY PIPE PLANT
DATE: 15.11.18