



CHEMICAL COMPOSITION

1	1	Nb	1	Nb+V+Ti	1	Nb	1	1	Cr+Co+Mo+N	1	CElim	1	CEpcm	1
1	1	x	1	x	1	x	1	x	1	x	1	x	1	x
1	1	100	1	100	1	100	1	100	1	100	1	100	1	100
1	1	15	1	6	1	100	1	43	1	25	1	25	1	25
1	1	max	1	max	1	max	1	max	1	max	1	max	1	max
1	1	3	1	3	1	50	1	-	1	19	1	19	1	19
1	1	3	1	3	1	50	1	-	1	19	1	19	1	19
1	1	3	1	3	1	50	1	-	1	19	1	19	1	19

HARDNESS TEST. MAX 2/HRC

PIPE MILL NO.	CONTROL	PROT. NO.	QUADRANT No
22	5733	10D	1 1 1 1 1 1
		1AD	1 1 1 1 1 1
		1ID	1 1 1 1 1 1
106	5736	10D	1 1 1 1 1 1
		1AD	1 1 1 1 1 1
		1ID	1 1 1 1 1 1

Heat number = 222667 ✓

OD-OUTSIDE DIAMETER  
AD-AVERAGE DIAMETER  
ID-INSIDE DIAMETER

Temperature at the exit of Quenching furnace: 1634-1706 F

Temperature at the exit of Tempering furnace: 1211-1265 F

ACTUAL HYDROSTATIC TEST PRESSURE: 3129 PSI

MATERIAL HARDNESS CONFORMS TO NACE MR 0175/HR 0103. 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 3.1. COUNTRY OF MELT IS RUSSIA.

INSPECTOR - BALASHOVA T.N.  
VOLZHSKY PIPE PLANT  
DATE: 10.07.2012



*[Handwritten Signature]*