



**CERTIFICATE FOR SEAMLESS STEEL PIPES
MILL TEST CERTIFICATE NO. KL17840217**

JSC NIZHNEDNEPROVSKY TUBE ROLLING PLANT 25 STOLETOV STR.
49881 DNEPROPETROVSK, UKRAINE

Customer												Total Weights	47635		Contract No.		X220017843						
License No.												Date of Delivery	13/10/2017		Certificate No.		KL17840217						
No.	Testing No.	Lot No.	O.D. (mm)	W.T. (mm)	Standard	Type	Grade	Heat No.	Pcs.	Lenght	Weight (t)	Chemical Composition (%)											
												C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Ti	Nb
1	JS10	A152	21.3	3.73	ASTM A53/A106/API 5L	SCH 80	B	20023	600	6.1mt	5929	0.16	0.22	0.49	0.011	0.017	0.041	0.033	0.002	0.001	0.001	0.001	0.001
2	UK426	12-36	26.7	3.91	ASTM A53/A106/API 5L	SCH 80	B	28915	700	6.1mt	9394	0.21	0.18	0.51	0.018	0.022	0.051	0.032	0.001	0.002	0.001	0.001	0.001
3	UK638	18-75	33.4	4.55	ASTM A53/A106/API 5L	SCH 80	B	20188	800	6.1mt	15811	0.22	0.18	0.48	0.015	0.018	0.053	0.032	0.003	0.002	0.001	0.001	0.001
4	UK857	36-12	48.3	5.08	ASTM A53/A106/API 5L	SCH 80	B	23001	500	6.1mt	16501	0.20	0.19	0.49	0.013	0.018	0.053	0.031	0.002	0.002	0.001	0.001	0.001
No.	T.S.	Y.S.	E.L. %	Flattering Test	Bending Test	Flaring Test	Impact Energy Absorbed	Hardness	NDP		Color On the end	Hydrostatic Test	Drift Test	V&D Exam.	Decarbonized Depth		Grain Size (gr.)	Microstructure (F) (P)					
	N/mm ²								E.T.	U.T.					Inside	Outside							
1	469	273	31	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--					
2	465	272	31	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--					
3	463	274	33	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--					
4	460	273	32	GOOD	GOOD	--	--	--	GOOD	--	--	GOOD	--	--	--	--	--	--					

- The hot-rolled pipes herein described are delivered in the final rolled condition and the cold-drawn pipes above in the heat treatment condition detailed in the relevant standard. All the pipes are tested in accordance with GB/T 5777-1996 for ultrasonic inspection or GB/T 7735-2004 for eddy - current testing when DNT is requested.
- We certify that the pipes herein described have been manufactured, tested in accordance with above standard and satisfied with the requirements. The copy of this form is invalid.
- We certify that the above material has been manufactured, sampled, tested and inspected in accordance with API5L/ASTM A106/ ASME SA106/ ASTM A53/ASME SA53.

(signed) Vyacheslav J.