

INSPECTION CERTIFICATE acc to Processkontroll Items AB EN 10 204 3.1

Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Customer References	Customer	Sandvik Re		ABSMT Die	spatch note
710315	order 2011-07-14	253167	507582		
003-00991 ITEMS		300-47840	46		
Material description	Steel/mate	Steel/material Designations			
SEAMLESS STAINLESS COLD FINISHED		Sandvik			
HYDRAULIC TUBING		3860		2353	
Steel making process					
Electric furnace					
Technical requirements	8				
SS 219713 Condition No -24					
EXTENT OF DELIVERY					
It Product desig			Pieces	Kg	M
01 THT-3R60-8-1.5 8.00 X 1.50	04	7772 96546	50	73.0	300.00
		_			
KEY TO HEAT		Total		73.0 TO LOT	300.00
Heat Code Heat No) .			Code Lot	- No.
047772 528279			965)372
TEST RESULTS					
Chemical composition (weight%)				
Heat C Si	Mn 1 GE		C		
047772 0.019 0.38 N	1.05	0.027 0.	.008 17.	35 13.2	21 2.52
047772 0.039					
Tensile test at room t	emperature				
Yield st		nsile strength Elongation			
Lot Rp0.2 F		MPa Rm	% A		
96546 235 2	276 5	583	A 46		
234 2		581	46		
234 2	274 5	583	46		
Quality assurance				& Pipe	
MTC Service / Certificates					

AB SANDVIK MATERIALS TECHNOLOGY Reg No. 556234-6832 VAT No. SE663000-060901 SE-81181 SANDVIKEN SWEDEN www.smt.sandvik.com mtc_service.smt@sandvik.com CERTIFICATE



Following controls/tests have been satisfactorily performed:

- Flattening test.

- PMI-test.
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- Leak test: Eddy current test acc to SS 114301/114305 E1
- Visual inspection and dimensional control.

Heat Treatment: Solution annealed and quenched.

The number of tests are based on the size of the manufacturing lot before cutting to finished lengths.

The delivered products comply with the specifications and requirements of the order.

The material is manufactured according to a Quality system, approved and registered to ISO 9001.

The certificate is produced with EDP and valid without signature.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO 36606