

INSPECTION CERTIFICATE acc to EN 10204 3.1

Processkontroll Items AB Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Customer Reference: 752708	S Customer order 2015-12-0	Order No. 425234	601270 . C.Code	ABSMT Dis 12654/54	spatch note
003-00991 ITEMS					
Material description SEAMLESS STAINLESS HYDRAULIC TUBING		Steel/mat Sandvik 3R60	cerial Desi	gnations SS 2353	
Steel making proces Electric furnace	38				
Technical requirem SS 219713 Condition No -24	ents				
EXTENT OF DELIVERY			.		
It Product de 02 THT-3R60-12 12.00 X 1.1	2-1.5 (Heat Lot 048190 49144		Kg 59.0	M 144.00
KEY TO HEATHeat CodeHeat0481905420	t No. 563	Total	24	59.0	144.00
TEST RESULTS Chemical composition Heat C 048190 0.020 N 048190 0.034	Si Mn	P 0.032 (s c).0080 17.	r Ni 26 13.3	
MPa	d strength MPa 2 Rp1.0	Tensile sti MPa Rm 553	cength El % A 53		
Quality assurated	nce – Lars-Åke I	Bergqvist / (QA-manager		

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 raw material is free from radioactive contamination. Material free from mercury contamination. 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 9001:2008. No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of AB Sandvik Materials Technology. Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice

The certificate is produced with EDP and valid without signature.

will be prosecuted to the fullest extent of applicable law.