

INSPECTION CERTIFICATE acc to Processkontroll Items AB EN 10 204 3.1

Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Customer	Referen	ces		Sandvi	k Refere	nces		
751967	Customer				No. Sub	s No. ABS 810 480	MT Dispat 31/54	ch note
003-0099	1 ITEMS	5			,00 10			
Material	descrip	tion		Steel/	material	Designat	ions	
SEAMLESS HYDRAULI		SS COLD	FINISHED	Sandvi 3R60 EN no 1.4435		AISI TP316/TP316L		
<b>Steel ma</b> Electric								
NACE MR0	13-15A A 175/ISO 3/EC EN		2009	D-13 AW, AS	TM A-269	-13		
EXTENT O								
01	Product THT-3R60 10.00 X		tion	<b>Heat Lot</b> 048141 433		-		<b>M</b> .00
кеу то н				Tot	al 17	24.	0 102	.00
<b>Heat Cod</b> 048141		<b>eat No.</b> 40805						
TEST RES	-							
Chemical Heat	Composi C	tion (we: Si	ight%) Mn	P	S	Cr	Ni	Мо
048141	0.021 <b>N</b>	0.39		0.030		17.35	13.15	2.53
048141	0.037							
Chemical	composi	tion, pro	oduct (we	eight%)				
Heat	C	si	Mn	<b>P</b>	S	Cr	Ni	Mo
048141	0.024 <b>N</b>	0.39	1.60	0.031	0.0080	17.41	13.14	2.54
048141	0.034							

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Tensile test	Yield st	temperature trength MPa	Tensile strength MPa	Elongation					
<b>Lot</b> 43374	<b>Rp0.2</b> 1 325	Rp1.0	<b>Rm</b> 584	<b>A 2"</b> 48 45					
Hardness test									
<b>Lot</b> 43374	<b>Min HRB</b> 76	<b>Max</b> HRB 78							
<ul> <li>Flattening</li> <li>Flaring tes</li> <li>PMI-test.</li> <li>Intergranul</li> </ul>	test. st lar corros Eddy cur:	sion test acc rent test acc	to ASTM A-262 PR.E to EN 10246-2, ASM control.	1					
Heat Treatmer Solution anne		a temperature	e of Min 1040° C and	l quenched.					
	5L CFA SMI	LS NDE 10.00		EN 10305-1 COLD AW EN 1 5 SS LOT 43374 MADE BY S					
The raw mater	rial is f	ree from radi	oactive contaminati	.on.					
Material free	e from me:	rcury contami	nation.						
Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (97/23/EC) by TUEV NORD; notified body, reg.no. 0045.									
The number of before cuttir			the size of the manus.	facturing lot					
The delivered requirements	-		n the specifications	and					
The material approved and			ding to a Quality s 1:2008.	system,					
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The certifica	ate is pro	oduced with H	DP and valid withou	ut signature.					