



# Welder Qualification Test Certificate (EN ISO 9606-1:2013)

Energy - Downstream, Power and Manufacturing

Designation:	<b>EN ISO 9606-1 138 T BW FM1 S s14 D168,3 H-L045 ss nb</b>	
Welding Procedure Specification Reference No.	<b>10 Rev. 0</b>	Examining Body: Reference No: <b>Notified Body / 0038</b>
Welder's Name	<b>M. Liekens ( H5 )</b>	
Identification:	<b>IP6CPKCP5</b>	
Method of Identification:	<b>ID card</b>	
Date and place of birth:	<b>03-01-1967 Rotterdam</b>	
Employer:	<b>H.W.S.</b>	
Code/Testing Standard:	<b>EN ISO 9606-1: 2013 / PED 97/23/EG</b>	
Job knowledge:	<b>Not Tested</b>	
	Test piece	Range of qualification
Welding process(es)	<b>138 (acc. ISO 4063)</b>	<b>135, 138</b>
Transfer Mode	<b>Short circuit / Spray arc</b>	<b>All transfer modes</b>
Product type (plate or pipe)	<b>T(tube)</b>	<b>P(plate), T(tube)</b>
Type of weld	<b>BW</b>	<b>BW</b>
Parent material group(s)/subgroups	<b>1 ( Material test piece A333 Gr. 6 )</b>	<b>--</b>
Filler material group(s)	<b>FM1</b>	<b>FM1, FM2</b>
Filler material (Designation)	<b>M, (ETC 6103, ISO 14171: T 46 2 M M 1 H5)</b>	<b>S, M</b>
Shielding gas	<b>80% Ar - 20% CO<sub>2</sub> (M21 acc ISO 14175)</b>	<b>--</b>
Auxiliaries	<b>n.a.</b>	<b>n.a.</b>
Type of current and polarity	<b>DC+</b>	<b>--</b>
Material thickness (mm)	<b>n.a.</b>	<b>n.a.</b>
Deposited thickness (mm)	<b>14,0 mm</b>	<b>≥3,0 mm</b>
Outside pipe diameter (mm)	<b>168,3 mm</b>	<b>≥ 84,0 mm</b>
Welding positions	<b>H-L045</b>	<b>PA(flat), PC(Horizontal), PE(Overhead), PF(Vert. up)</b>
Weld details	<b>ss nb</b>	<b>ss nb, ss mb, bs, ss gb, ss fb</b>
Multi-layer/single layer	<b>ml</b>	<b>--</b>

Supplementary fillet weld test (completed in conjunction with a butt weld qualification):

**Not executed**

Type of test	Performed and acceptable	Not tested
Visual testing	<b>X</b>	
Radiographic testing	<b>X</b>	
Fracture test		<b>X</b>
Bend test	<b>X</b>	
Notch tensile test		<b>X</b>
Macroscopic examination		<b>X</b>

**Test report SL 2516/96.  
See note.**



R.J.A. ten Vaarwerk  
Surveyor to Lloyd's Register Energy

A subsidiary of Lloyd's Register Group Limited

Date of welding: **07 Aug 1996**

Date of Issue: **04 Nov 2014**

Location: **Geleen**

Validity of qualification until: **18 June 2015**

**Note: Original certificates (EN 287-1) 96.0626 rewritten due conversion to EN ISO 9606-1: 2013.**

Revalidation 9.3 a)	Valid Until -
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Revalidation 9.3 b)	Valid Until <b>18 June 2015</b>
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Revalidation 9.3 c)	Valid Until -
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**EXTENSION SHEET FOR WELDING**

*Range of qualification*

Company	Holland Welding Support	Plate(P) or tube (T) :	P, T
Welder	M. Liekens ID: H-05	Type of weld:	BW
Position	H-L045	Positions:	PA, PC, PE, PF
Certificate nr.	RET260344/RTV/066	FM + group	S, M FM1, FM2
Weldproces	138	Material thickness:	≥ 3,0mm
Material	A333 Gr. 6	Outside pipe Ø:	≥ 84,0mm
Code	EN ISO 9606-1	Weld details:	ss nb, ss mb, bs, ss gb, ss fb

Extension date	Based on	Filler metal	Weld positions	Signed & Stamped extension responsible department	Signed and stamped Authority
JUN. 2015	QWST-02 ISO17541 RT 02	EM 1	H-L045	Hatek Lastechniek BV Welding department Training and Certification L. Hill RWC	Reviewed A.M. Kooijns Rotterdam Office Lloyd's Register Nederland B.V. 06 AUG 2015
DEC. 2015					
JUN. 2016					
DEC. 2016					
JUN. 2017					2 years extension dd
DEC. 2017					
JUN. 2018					
DEC. 2018					
JUN. 2019					2 years extension dd
DEC. 2019					