

**WELDER'S QUALIFICATION TEST CERTIFICATE**  
according to NEN-EN-ISO 9606-1: 2013

Certificate No.: A0052719-282  
Rev.: 0  
Ref.: WPS-DNVGL-003

Designation(s) NEN-EN-ISO 9606-1 138 T BW FM1 M t=18.27 (s1=6.00) D 168.3 H-L045 ss, nb  
136 T BW FM1 P t=18.27 (s2=12.27) D 168.3 H-L045 ss, mb

Approval body Det Norske Veritas B.V. - PCNL, the Netherlands  
Registration no. CE 0427 - Notified Body. Approval of personnel for permanent joining according PED 97/23/EC.  
1136 - Accredited Dutch RvA. Approval of personnel for permanent joining according PED 97/23/EC

Welder's name Jozef Stanislaw Sikora  
Identification / Method of identification Identiteitsbewijs / AWU741446  
Date and place of birth 1981-10-30 / Polen  
Employer W.P.S. Welding Services V.O.F.  
WPS - Reference 138/136-HL045-001  
Job knowledge Not tested


Welding data	Test Piece	Range of qualification NEN-EN-ISO 9606-1:2013
Welding process(es)	138 136	135, 138 136
Transfer mode	Short circuit arc N.A.	Short circuiting arc, Globulair arc, Spray arc N.A.
Current and polarity	DC pos DC pos	N.A. N.A.
Product type Type of weld	T BW	P, T BW, branch joints with an angle >=60°
Material group(s)	1.3 (API 5L X65)	N.A.
Filler metal group and type	FM1, M, ISO 17632-A T 46 6 1,5Ni M M 1 H5 FM1, P, ISO 17632-A:T46 6 1,5Ni P M 1 H5	FM1, FM2, S, M FM1, FM2, R, P, V, W, Y, Z
Shielding gas	M21 M21	N.A. N.A.
Auxiliaries (e.g. backing gas)	N.A. N.A.	N.A. N.A.
Material thickness (mm)	t=18.27 mm	N.A.
Deposite weld thickness (mm)	S1:6.00mm S2:12.27mm (*)	S1:3.00 - 12.00 mm - S2:>= 3.00 mm
Outside tube diameter (mm)	168.3 mm	D >= 84.15 mm
Welding position	H-L045	PA, PC, PE, PF
Weld details	ss, nb ss, mb	ss nb - ss mb - bs - ss gb - ss fb ss mb - bs
Suppl. FW Test piece (5.4*)	N.A. Yes	N.A. FW ml >= 3.00 mm

\*) 3 or more layers.

Type of qualification tests	Performed and accepted	Not tested	
Visual testing	Yes	-----	Accept. NEN EN ISO 9606-1 clause 7 1682-2016-05-001
Radiographic testing	Yes	-----	
Ultrasonic testing	-----	Not tested	WPS-B-003/16
Liquid Penetrant testing	-----	Not tested	
Magnetic testing	-----	Not tested	
Bend test	Yes	-----	Acceptable, performed on site
Macroscopic examination	-----	Not tested	
Fracture test	Yes	-----	
Hardness examination	-----	Not tested	
Charpy V-notch testing	-----	Not tested	
Tensile test	-----	Not tested	

Place of welding Rotterdam  
Date of welding 2016-01-29  
Valid till 2018-01-29  
Issue date 2016-02-02  
Issue place Barendrecht  
Surveyor Srefan Verhagen

Verified by   
Signature welder

Signature employer:  3286

This qualification is approved for application under PED 97/23/EC by Det Norske Veritas B.V. - PCNL (NoBo 0427, 'beschikking 2014-0000021705'); This qualification is approved for application under DNV Classification Rules and Offshore Standards;

Note: Assessment for specific application to be performed on the application project itself.

See reverse side for prolongation by employer every 6 months, and examiner/test body's prolongation every 2 years. Additional information may also be stated in the column 'supplementary remarks'.

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**DNV·GL**

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Employer            W.P.S. Welding Services V.O.F.  
WPS - Reference      138/136-HL045-001  
Job knowledge        Not tested

Supplementary remarks  
(Information regarding job knowledge, certificate issue on the basis of previous approval, etc.)  
**Test conditions in acc. with ISO 9606-1:2012, ASME IX and AWS  
D1.1**

Confirmation of the validity by employer/welding co-ordinator for the following 6 months

Project	Reference	Date	Signature	Position or title

Prolongation for qualification by examiner or examining body for the following 2 years (Revalidation under option 9.3 B)

Project	Reference	Date	Signature	Position or title