

EN 287-1

## LASSERSKWALIFICATIECERTIFICAAT WELDERS APPROVAL TEST CERTIFICATE

Kenmerk/designation EN 287-1 141 T BW 8 S t1,5 D43 H-L045 ss nb sl

Referentienummer keuringsinstantie/Inspecting Authority Reference no.

171272/ CAS297

Lasmethodebeschrijving van de fabrikant/Manufacturer's Welding Procedure Specification

240045-004 / 2

Referentienummer(indien van toepassing)/Reference No.(if required)

240045.004

Naam lasser/Welder's name

P.H. Pruijsen

9011295

Legitimate/identification

ND2495303

Legitimatiemethode/Method of Identification

Paspoort

Geboortedatum en -plaats/Date and Place of Birth

16-07-1976 Werkendam

Werkgever/Employer

Demaco Holland b.v.

Voorschrift/beoordelingsnorm/Code/testing standard

EN 287-1 / uig.:05-2004

Lasdatum/Date of welding

1-10-2004

Vakkennis/Job knowledge

Niet beoordeeld/Not tested

	beproeivingsgegevens/weld test detail	geldigheidsgebied/range of approval
lasproces/welding process	141	141
plaat of pijp/plate or pipe	T	T P
soort verbinding/ joint type	BW	BW FW
moedermateriaalgroep(en)/parent material group	8 RVS 304L	8, 9.2+9.3, 10
type toevoegmateriaal/ filler metal type	S Avesta ER 316Lsi	S,M
beschermgassen/gasflux	Argon 4.8	similar
overige middelen/auxillaries	-	-
dikte proefstuk(mm)/material thickness	1,5	1,5-3
pijpmiddellijn(mm)/outside diameter pipe	43	>25
laspositie/welding position	H-L045	H-L045,PA,PB,PC,PD,PE,PF
een-twee zijdig/single-double side	ss	ss bs
tegenbewerking/ondersteuning/gouging backing	nb	nb mb gg ng
aantal laslagen/multi-single layer	sl	sl

Aanvullende informatie wordt gegeven op bijgevoegde bladen en/of lasmethodebeschrijving nr.:

Additional information is available on attached sheet/or welding procedure specification No.:

aard van de beproeving/type of test

uitgevoerd en acceptabel/performed and acceptable

niet vereist/not required

visueel/visual

EN 970/EN5817

radiografisch/radiography

EN1435/EN12517

magnetisch onderzoek/magnetic particle test

penetrant onderzoek/penetrant test

macro/macro

breekproef/fracture test

buigproef/bendtest

aanvullende proeven/additional tests \*\*)

\*\*\*) aparte bladen toevoegen indien vereist/appended separate sheets if required

Opmerkingen/remarks

Zie Rapportage Stork FDO MKW 05-0060

Tevens beproevingen volgens ASME IX uitgevoerd.

Naam, datum en handtekening van de inspecteur/name, date and signature of Surveyor

Keuringsinstantie/Inspection Authority

C.A. Stedelaar

Lloyd's Register Nederland BV

Notified Body No.0343

17-1-2005

Shop Demaco

1-10-2006

☐ Reviewed ☐ Examined

Datum uitgifte/date of Issue:

Plaats/Location

Kwalificatie geldig tot/Validity of approval until:

Lloyd's Register Nederland BV, Weena Zuid 168, 3012 NC Rotterdam #31(0)10-2014200

## WELDER PERFORMANCE QUALIFICATION

Customer : DeMaCo Cryogenics B.V.  
Smeetsweg 4, 1738 ZG Waarland  
Order no. customer :  
WPS no. :  
Test sample : One welded test pipe dimensions 43.0 x 1.5 mm,  
marked 9011294/H-L045  
Welder : K. Ozhazinedar Mark : 9011294  
Material : 1.4301 Certificate no. : MKA 01-2038  
Welding process : 141 (GTAW) Order no. FDO : OMKA 1314  
Welding position : H-L045 (6Gu) Amsterdam : 2001-09-07

## RESULTS OF THE TESTS

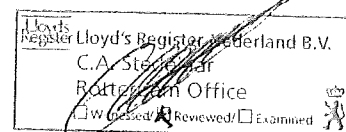
CODE : NEN-EN 287-1

1. NON DESTRUCTIVE EXAMINATION : Visual examination and X-ray no. 200/1-2  
stated acceptable

2. CONCLUSION/REMARKS : Approved.

Stork FDO B.V.  
Materials Testing Department

*G.V. Tokarenko*  
Authorized: G.V. Tokarenko



Stork FDO B.V. (Registration Chamber of Commerce Amsterdam number 33194077) member of the Stork group  
Site Amsterdam: Czaar Peterstraat 229, 1018 PL, P.O. Box 379, 1000 AJ, Phone (020) 556 35 55, Fax (020) 556 55 56  
Stork FDO B.V. is registered in the STERLAB register for laboratories under L 048 for the areas as specified in the accreditation



# DET NORSKE VERITAS

## LASSERS KWALIFICATIE CERTIFICAAT

Welder Approval Test Certificate

### CE 0409



Beoordelingsnorm: EN-287-1 (2004)  
Certification Standard

Keuringsinstantie: DNV Certification b.v.  
Certification body:

Naam lasser en legitimatie: L. Scheffer, Drivers License no. 3198877403  
Welder's name and identification:

Datum en plaats van geboorte: 11-08-1960, Harlingen  
Date and place of birth:

Kenmerk: 141 t BW 8 d48.3 t1.5 H-L045  
Designation:

Certificaat Registratie Nr.: ROT 2004.21062  
Certificate Registration No.:

Werkgever:  
Employer:

SMINK ORBITAL PROCESSING BV  
SCHOOLSTRAAT 4  
5476 KK VORSTENBOSCH  
TEL: 0413 - 362409  
FAX: 0413 - 369279

		Beproevinggegevens Weld test details	Geldigheidsgebied Range of Approval	Foto (indien vereist) Photo (if required)
Lasproces Welding process		141	141	
Plaats of pijp Plate or tube		Tube	P+T	
Lasnaadform Joint type		BW	BW+FW	
Moedermetaalgroep(en) Parent metal group(s)		8	8, 8.2, 8.3, 10	
Toevoeg- materiaal Filler metal	Type Type	Lincoln Smitweld LNT 316L	same type of filler metal	Identificatie van Proefstukken Identification of test pieces L. Scheffer/ 04. 2548
	Norm Designation	ER 316L	same type of filler metal	
Proefstukdikte (mm) Test piece thickness (mm)		1.5 mm	1.5 - 3 mm	Lasmethode beschrijving Nr.: Welding Procedure Specification. No.: 141t1.5BW8d48.3t1.5H-L045
Buitenzijde pijp diam. (mm) Outside tube diameter (mm)		48.3 mm	≥ 25 mm	
Laspositie Welding position		H-L045	PA, PB, PC, PD, PE, PF, H-L045	Beoordelingsnorm(en) Testing standard(s) EN-287-1
Enkele-/Dubbelzijdige las Single-/double sided welding		ss	ss-nb, ss-mb, bs	
Gutsenstijp Gouging/edging		ng	ng, gg	Valide kennis acceptabel Job knowledge acceptable <input type="checkbox"/>
Beschermingsgas Shielding gas		It	same type of shielding gas	
Tegenbewerking Backing		R1	same type of backing gas	Niet beoordeeld Not reviewed <input checked="" type="checkbox"/>

Lasen uitgevoerd, plaats/datum 18-06-2004 Jouré  
Welding carried out place/date

Beoordelaar: A.R. Deldker  
Examiner

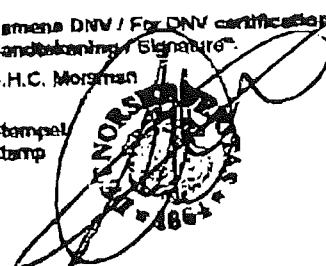
Aard vd inspectie/beproeving Type of inspection/test	Uitgevoerd en acceptabel/Niet vereist Performed & accepted/Not required	Referentiedocument Nr. Reference document No.
Visueel Visual	Performed & accepted	SL 04.2548-1
Radiografisch Radiography	Performed & accepted	RTD report 79-2004-28-003
Ultrasononderzoek Ultrasonic	Not required	
Magnetisch Magnetic particle	Not required	
Scheuronderzoek Dye penetrant	Not required	
Macro Macro	Not required	
Breakproef Fracture	Not required	
Buigproef Bend	Not required	
Aanvullende proef Additional tests	Not required	

Plaats / Datum: Rotterdam 22-06-2004  
Place/date

Kwalificatie geldig tot:  
Validity of approval until:  
22-06-2006

Naam DNV / For DNV certification b.v.  
Handtekening / Signature:  
C.H.C. Morsman

Stempel  
Stamp



Zie 2.2. voor werkgeversverklaringen en de verlengingen door DNV Certification B.V. Aanvullende informatie kan worden genoemd in de kolom "Aanvullende opmerkingen".  
See reverse side for statement by employer and prolongation by DNV Certification B.V. Additional information may also be stated in the column "Supplementary remarks".



Stork FDO B.V.

QUALIFIED  
BY STERLAB  
Reg.nr. L 048QUALIFIED  
BY STERIN  
Reg.nr. I 007

## Certificate

## WELDER PERFORMANCE QUALIFICATION NEN-EN 287-1

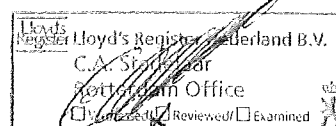
Customer	: DeMaCo Cryogenics	
	Smeetsweg 4, 1738 DK Waarland	
Order no cust.	: 970303	
Object	: One welded testpipe dim. 43.0 x 1.6 mm	
WPS	: 02 GTAW SS	
Welder	: J. Maduro 9008701	
Material	: 1.4301 (A312 type 304L)	Certificate no : MKA 97-0659A
Welding process	: 141 (GTAW)	Order no FDO : OMKA 7314
Welding position	: H-L045 (6G)	Amsterdam : 1997-08-01

## RESULTS OF THE TESTS

1. NON DESTRUCTIVE EXAMINATION : X-ray no 2/1-3, stated acceptable.  
See concerning RTD Report.
2. VISUAL EXAMINATION : acceptable
3. CONCLUSION/REMARKS : approved

Stork FDO B.V.  
Materials Testing Department

Authorized : G. Kleijn



EN 287-1  
LASSERSKWALIFICATIECERTIFICAAT  
WELDERS APPROVAL TEST CERTIFICATE

Kenmerk/designation EN 287-1 141 T BW 8 S t2.77 D168.3 H-L045 ss nb sl

Referentienummer keuringsinstantie / Inspecting Authority Reference no. 187942/ CAS3/354  
Lasmethodebeschrijving van de fabrikant / Manufacturer's Welding Procedure Specification 168,3x2,77  
Referentienummer(indien van toepassing) / Reference No.(if required) 250037  
Naam lasser / Welder's name C. Schipper CS  
Legitimate / Identification L094002  
Legitimatiemethode / Method of identification Paspoort  
Geboortedatum en -plaats / Date and Place of Birth 17-08-1952 Schermer  
Werkgever / Employer Demaco Holland B.V.  
Voorschrift/beoordelingsnorm / Code/testing standard EN 287-1 / uig.:05-2004  
Lasdatum / Date of welding 24/10/2005  
Vakkennis / Job knowledge Niet beoordeeld/Not tested

	Beproevinggegevens / weld test detail	Geldigheidsgebied / range of approval
lasproces / welding process	141	141
plaat of pijp / plate or pipe	T	T P
soort verbinding / joint type	BW	BW FW
moedermateriaalgroep(en) / parent material group	8 ASTM A 312 / TP 304L	8, 9, 2+9, 3, 10
type toevoegmateriaal / filler metal type	S Inertfil 19-9-NC	S,M
beschermgassen / gasflux	Argon 99,99%	similar
overige middelen / auxiliaries	backing gas 95% N2 / 5% H2	similar
dikte proefstuk(mm) / material thickness	2.77	2.77-5.54
pijpmiddellijn(mm) / outside diameter pipe	168.3	>84.15
laspositie / welding position	H-L045	H-L045,PA,PB,PC,PD,PE,PF
een-twee zijdig / single-double side	ss	ss bs
tegenbewerking/ondersteuning / gouging backing	nb	nb mb
aantal laslagen / multi-single layer	sl	sl

Aanvullende informatie wordt gegeven op bijgevoegde bladen en/of lasmethodebeschrijving nr.: 168,3x2,77  
Additional information is available on attached sheet/or welding procedure specification No.:

aard van de beproeving / type of test	uitgevoerd en acceptabel / performed and acceptable	niet vereist / not required
visueel / visual	NEN-EN ISO 5817	
radiografisch / radiography	EN1435/EN12517	
magnetisch onderzoek / magnetic particle test		
penetrant onderzoek / penetrant test		
macro / macro		
breekproef / fracture test		
buigproef / bendtest		
trekproef / tensile test		
aanvullende proeven / additional tests **)		

\*\*) aparte bladen toevoegen indien vereist/appended separate sheets if required

Opmerkingen / remarks: Zie tevens Stork-FDO Rapport MKW 05-1796  
Tevens zijn beproevingen uitgevoerd volgens ASME IX

Naam, datum en handtekening van de inspecteur / name, date and signature of Surveyor  
Keuringsinstantie / Inspection Authority

Datum uitgifte / date of Issue:

Plaats / Location

Kwalificatie geldig tot / Validity of approval until:

Zie ook verlengingsblad / See also prolongationsheet

C.A. Stedelaar

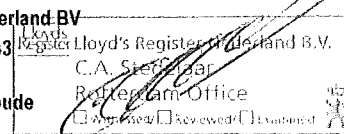
Lloyd's Register Nederland BV

Notified Body No.0343

08/12/2005

Shop Noord Scharwoude

24/10/2007



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Stork FDO B.V.



## Certificate

## WELDER PERFORMANCE QUALIFICATION NEN-EN 287-1

Customer	: Demaco Cryogenics	
	Smeetsweg 4, 1738 ZG Waarland	
Order no cust.	: 50299	
WPS	: 02	
Object	: 1 welded testpipe dim. 43.0 x 1.5 mm	
Welder	: G. Schipper 9008705	
Material	: 1.4301	Certificate no : MKA 95-0836A
Welding process	: GTAW (141)	Order no FDO : OMKA 5367
Welding position	: 6 GU (H-L045)	Amsterdam : 1995-08-08

## RESULTS OF THE TESTS

0. FDO SAMPLE No. : F836

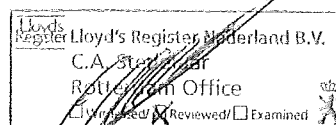
## 1. NON DESTRUCTIVE EXAMINATION :

X-Rays no 38/1-3, stated acceptable, see concerning RTD Report.  
 Visual examination, stated acceptable, see FDO Report MIA 95-204.

2. CONCLUSION/REMARKS : approved

Stork FDO B.V.  
 Materials Testing Department

Authorized : G. Kleijn





# DET NORSKE VERITAS

## WELDER PERFORMANCE QUALIFICATION CERTIFICATE



Qualification Codes/ Standards: ASME IX

Certification body : DNV Certification B.V.

Certificate Registration No.: ROT 2005-10123

Welder's name and Identification: Kroon A.J.F., NC2165026 (Passport)

Date and place of birth: 1960-09-03, Harlingen

Employer: Privé

Designation: n.a.

		Weld test details	Range qualified	Photo (if required)
Welding process(es)		GTAW	GTAW	
Plate or pipe		pipe	pipe and plate	
Type of weld		BW	BW + FW	
Base metal group(s)		P-no. 8	P-no. 1 - 11, 34 and 41 - 49	
Filler metal	Type	Solid	Solid	
	Designation	A5.9 ER309 LSI	All in F-No.6	
Material thickness (mm)		1.6	≤ 3.2	
Pipe outside diameter (mm)		42.3	≥ 25	
Welding position		6G	All	
Single-/both side welding		ss	ss, bs	Identification of test pieces: CVLE 29-2005
Single-/multi layer		sl	-	Welding Procedure Specification No.: K2
Backing		nb	nb, mb	Job knowledge acceptable <input type="checkbox"/>
Shielding gas		Argon	similar	Job knowledge not reviewed <input checked="" type="checkbox"/>
Other (e.g. backing gas)		Argon	similar	
Place/date of welding: Leeuwarden, 12-10-2005			Examiner: R. Stenborg (BOL-C-099)	
Type of inspection/test	Performed & accepted or not required	Reference document No.		Place/date: Emmen, 12-10-2005  Qualification valid until: 12-10-2007  For DNV Certification B.V. Signature  G.H.C. Morsman Stamp
Visual	Performed & accepted	ASME IX QW-302.4 / QW-194		
Radiography	Performed & accepted	RTD report no.: 33-2005-41-004, film no. 2		
Ultrasonic	not required			
Magnetic particle	not required			
Dye penetrant	not required			
Macro	not required			
Fracture	not required			
Band	Performed & accepted	Bodycote ref. no.: E501938		
Other	not required			
See reverse side for confirmation statement by employer and prolongation by DNV Certification B.V. Additional information may also be stated in the column "Supplementary remarks".				



# Bodycote MATERIALS TESTING

METAL TECHNOLOGY



Bodycote Materials Testing bv, Kapitein Nemostraat 12, 7821 AC EMMEN, Postbus 2165, 7801 CD EMMEN  
Tel: 0591 618555, Fax: 0591 642947

## Test Rapport

Friese Poort - Centrum vakopl.  
Anne Wadmanwei 6  
8914 BD LEEUWARDEN

REF No  
Opdr Nr

E501938 : Uitgave 1  
i.o.v. R. Sterenberg

Datum Test 20/10/05  
Datum Rapport 20/10/05

Tav: Dhr. R. Sterenberg

Item - Gelaste pijp, rnd 42.3 x 1.6 mm Materiaal: AISI 316L  
Lasser: A.J.F. Kroon (CVLE 29-2005) WPS nr.: CVLE 20-05

Specificatie - IK volgens ASME IX

Buigtest - ASME IX						
	Positie	Dimensie [mm]	Buighoek [°]	O doorn	Resultaat	Opmerkingen
001: Buigproef	Nvt	10	180	4T	Acceptabel	Geen
002: Buigproef	Nvt	10	180	4T	Acceptabel	Geen
003: Tegenbuigproef	Nvt	10	180	4T	Acceptabel	Geen
004: Tegenbuigproef	Nvt	10	180	4T	Acceptabel	Geen

Getest Door: H.T. Stellingwerf

**Bodycote**  
MATERIALS TESTING  
..... H.T. Stellingwerf .....  
Geaut. door Lab. manager  
Bodycote Materials Testing bv



# DET NORSKE VERITAS

## WELDER PERFORMANCE QUALIFICATION CERTIFICATE



Qualification Codes/ Standards: ASME IX

Certification body : DNV Certification B.V.

Certificate Registration No.: ROT 2005-10124

Welder's name and identification: Kroon A.J.F., NC2165025 (Passport)

Date and place of birth: 1960-09-03, Harlingen

Employer: Privé

Designation: n.a.

		Weld test details	Range qualified	Photo (If required)
Welding process(es)		GTAW	GTAW	
Plate or pipe		pipe	pipe and plate	
Type of weld		BW	BW + FW	
Base metal group(s)		P-no. 8	P-no. 1 - 11, 34 and 41 - 49	
Filler metal	Type	Solid	Solid	
	Designation	A5.9 ER309 LSI	All in F-No.6	
Material thickness (mm)		2.0	≤ 4.0	
Pipe outside diameter (mm)		114.3	≥ 73	
Welding position		6G	All	
Single-both side welding		ss	ss, bs	Identification of test pieces: CVLE 30-2005
Single-mulid layer		sl	-	Welding Procedure Specification No.: K 3
Backing		nb	nb, mb	Job knowledge acceptable <input type="checkbox"/>
Shielding gas		Argon	similar	Job knowledge not reviewed <input checked="" type="checkbox"/>
Other (e.g. backing gas)		Argon	similar	
Place/date of welding: Leeuwarden, 12-10-2005				Examiner: R. Sterenberg (BDL-C-099)
Type of inspection/test	Performed & accepted or not required	Reference document No.		Place/date: Emmen, 12-10-2005  Qualification valid until: 12-10-2007  For DNV Certification B.V. Signature  C.H.C. Morsman Stamp
Visual	Performed & accepted	ASME IX QW-302.4 / QW-194		
Radiography	Performed & accepted	RTD report no.: 33-2005-41-004, film no. 1		
Ultrasonic	not required			
Magnetic particle	not required			
Dye penetrant	not required			
Macro	not required			
Fracture	not required			
Bend	Performed & accepted	Bodycote ref. no.: E501939		
Other	not required			

See reverse side for confirmation statement by employer and prolongation by DNV Certification B.V. Additional information may also be stated in the column "Supplementary remarks".

# Bodycote MATERIALS TESTING

METAL TECHNOLOGY



Bodycote Materials Testing bv, Kapitein Nemostraat 12, 7821 AC EMMEN, Postbus 2165, 7801 CD EMMEN  
Tel: 0591 616555, Fax: 0591 642047

## Test Rapport

Friese Poort - Centrum vakopl.  
Anne Wadmanwei 6  
8914 BD LEEUWARDEN

REF No  
Opdr Nr

E501939 : Uitgave 1  
i.o.v. R. Sterenberg

Datum Test  
Datum Rapport

20/10/05  
20/10/05

Tav: Dhr. R. Sterenberg

tem - Gelaste pijp, rnd 114.3 x 2 mm Materiaal: AISI 316L  
Lasser: A.J.F. Kroon (CVLE 30-2005) WPS nr.: CVLE 20-05

Specificatie - LK volgens ASME IX

Buigtest - ASME IX						
	Positie	Dimensie [mm]	Buighoek [°]	O doorn	Resultaat	Opmerkingen
001: Buigproef	Nvt	19	180	4T	Acceptabel	Geen
002: Buigproef	Nvt	19	180	4T	Acceptabel	Geen
003: Tegenbuigproef	Nvt	19	180	4T	Acceptabel	Geen
004: Tegenbuigproef	Nvt	19	180	4T	Acceptabel	Geen

**Bodycote**  
METAL TECHNOLOGY  
MATERIALS TESTING

Getest Door: H.T. Stellingwerf

..... H.T. Stellingwerf .....  
Geaut. door Lab. manager  
Bodycote Materials Testing bv



# DET NORSKE VERITAS

## WELDER PERFORMANCE QUALIFICATION CERTIFICATE



Qualification Codes/ Standards: EN 287-1


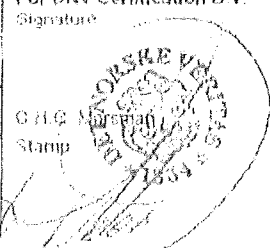
Certification body : DNV Certification B.V.

Certificate Registration No.: ROT2005 10050

Welder's name and identification: Goewie M.E.J. , NG1820206 (Passport)

Date and place of birth: 1965-05-29, Goirle

Designation: EN 287-1 141 T BW B S 12.0 D061 PF ss nb

Weld test details		Range qualified	 Identification of test piece HG 137-1 Welding Procedure Specification No.: WPS Job knowledge acceptable <input type="checkbox"/> Job knowledge not reviewed <input type="checkbox"/>
Welding process(es)	141	141	
Plate or pipe	Pipe	pipe + plate	
Type of weld	BW	BW + FW	
Base metal group(s)	8	8, 9.2, 9.3, 10	
Filler metal	Type	S	
	Designation	W 19 12 3 L	
Material thickness (mm)	2.0	2.0 - 4.0	
Pipe outside diameter (mm)	61	≥ 30	
Welding position	PF	PA, PB, PD, PE, PF	
Single/both side welding	ss	ss + bs	
Single/multi layer	sl	for FW: sl	
Backing	nb	nb + mb	
Shielding gas	EN 439: I1	Similar	
Other (e.g. backing gas)	EN 439: I1	Similar	
Place/date of welding: Schijndel, 2005-07-11			Examiner: F.M. Muis (BDL 120)
Type of inspection/test	Performed & accepted or not required	Reference document No.	Place/date: Emmen, 2005-07-11 Qualification valid until: 2007-07-11 For DNV Certification B.V. Signature 
Visual	Performed & accepted	EN 970 / EN 25817	
Radiography	Performed & accepted	SGS report no: 51701-1, film no: 137-1	
Ultrasonic	Not required		
Magnetic particle	Not required		
Dye penetrant	Not required		
Macro	Not required		
Fracture	Not required		
Bend	Not required		
Other	Not required		
See reverse side for confirmation statement by employer and prolongation by DNV Certification B.V. Additional information may also be stated in the column "Supplementary remarks".			



**DET NORSKE VERITAS**  
WELDER PERFORMANCE QUALIFICATION CERTIFICATE



Qualification Codes/ Standards: ASME IX

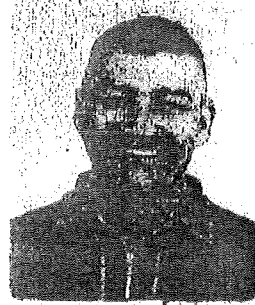
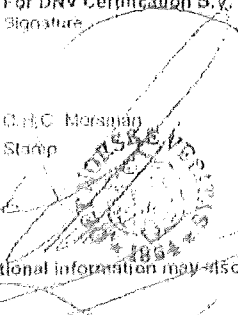
Certification body : DNV Certification B.V.

Certificate Registration No.: ROT2005 10051

Welder's name and identification: Goewie M.E.J. , NG1820206 (Passport)

Date and place of birth: 1965-05-29, Colrie

Designation: N.A.

Weld test details		Range qualified	 Identification of test pieces: 186* HG 137-1 Welding Procedure Specification No.: WPS 01 Job knowledge acceptable <input type="checkbox"/> Job knowledge not reviewed <input type="checkbox"/>	
Welding process(es)	GTAW	GTAW		
Plate or pipe	Pipe	pipe + plate		
Type of weld	Groove-weld	Groove weld + fillet weld		
Base metal group(s)	Pno.8	Pno. 1 - 11, 34, 41 - 49.		
Filler metal	Type	ER 316L (DC+)		Similar
	Designation	AWS 5.9-95		N.A.
Material thickness (mm)	2.0	≤ 4.0		
Pipe outside diameter (mm)	61	≥ 25		
Welding position	5G	F, V, O. (Fillet: All)		
Single-/both side welding	SS	n.a.		
Single-/multi layer	sl	n.a.		
Backing	nb	n.a.		
Shielding gas	Argon	Similar		
Other (e.g. backing gas)	Argon	Similar		
Place/date of welding: Schijndel, 2005-07-11			Examiner: F.M. Muis (BDL 120)	
Type of inspection/test	Performed & accepted or not required	Reference document No.	Place/date: Emmen, 2005-07-11 Qualification valid until: 2007-07-11 For DNV Certification B.V. Signature  G.H.C. Moragan Stamp	
Visual	Performed & accepted	ASME IX		
Radiography	Performed & accepted	SGS report no: 51701-1, film no: 137-1		
Ultrasonic	Not required			
Magnetic particle	Not required			
Dye penetrant	Not required			
Macro	Not required			
Fracture	Not required			
Band	Not required			
Other	Not required			
See reverse side for confirmation statement by employer and prolongation by DNV Certification B.V. Additional information may also be stated in the column "Supplementary remarks".				