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File nr.: CO-2021-0015360

Certificate nr.: 2021/RTD/0000176

WELDER'S QUALIFICATION TEST CERTIFICATE IN ACCORDANCE WITH : NEN EN ISO 9606-1:2017

[LASSERSKWALIFICATIE TEST CERTIFICAAT IN OVEREENSTEMMING MET : NEN EN ISO 9606-1:2017]

Designation and WPS-Reference [Beschrijving en WPS-Referentie]

Designation(s) [Beschrijving(en)]	NEN-EN-ISO 9606-1 136 P BW FM1 P ss,mb
WPS-Reference [WPS-Referentie]	LAB 3225 Rev. 1

Ex. Body ref. [Keuringsinst. ref.]

Bureau Veritas

Welder [Lasser]

Welder's name [Naam van de lasser]	Mr. G. Idasiak [GI]
Identification [Legitimatie]	5029511512
Method of identification [Wijze van legitimatie]	Driving License
Date and place of birth [Geboortedatum en plaats]	20/01/1979 - Wielun
Code / testing standard [Voorschrift / beproevingsnorm]	NEN EN ISO 9606-1:2017

Photo [Foto]

Employer [Werkgever]

Name and Place [Naam en Plaats]	Eerland Shiprepair B.V., Rotterdam
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Job knowledge [Vakkennis]

Acceptable or not tested [Aanvaard of niet beproefd]	Not tested
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Essential and non-essential variables [Essentiële en niet-essentiële variabelen]

	Test piece [Proefstuk]	Range of qualification [Geldigheidsgebied]
Welding process [Las proces] (4.2, 5.2, and ISO 4063)	136	136
Transfer mode [Druppel overgang]	Not applicable	Not applicable
Product type (plate or pipe) [Soort product (plaat of pijp)] (5.3)	P (Plate)	P (Plate), T (Tube)
Type of weld [Type las] (5.4)	BW	BW
Material (sub) - group [Materiaal (sub) - groep] (ISO 15608)	(1.2) - 1 and (3.1) - 3	Not applicable
Filler metal group [Lastoovoegmateriaal groep] (5.5)	FM1	FM1, FM2
Filler metal type [Type lastoovoegmateriaal] (5.6)	P	R, P, V, W, Y, Z
Filler metal designation [Aanduiding lastoovoegmateriaal]	EN ISO 17632-A: T 46 6 1Ni P M21 2 H5	Not applicable
Shielding gas [Beschermd gas] (ISO 14175)	M21	Not applicable
Auxiliaries [Hulpmiddelen]	--	Not applicable
Type of current and polarity [Stroomtype en polariteit]	DC +	Not applicable
Material thickness [Materiaal dikte] (5.7)	30 mm	Not applicable
Deposited thickness [Lasmetaaldikte] (5.7)	30 mm	≥ 3mm
Outside pipe diameter [Uitwendige pijpmiddellijn] (5.7)	Not applicable	Fixed pipes D ≥ 500 mm Rotating pipes D ≥ 75 mm (PA)
Welding position [Laspositie] (5.8)	PF	PA, PF
Weld details [Las details] (5.9)	ss,mb	ss,mb - bs
Supplementary fillet weld [Aanvullende hoeklas] (5.4 e)	No	Not applicable

Test methods [Testmethoden] (6.4)

Visual [Visueel]	Performed and accepted	Radiography [Radiografisch]	--
Macro test [Macro test]	Performed and accepted	Ultrasonic [Ultrasoon]	Performed and accepted
Fracture test [Breekproef]	--	Magnetic particle [Magnetisch]	Performed and accepted
Bend test [Buigproef]	Performed and accepted	Dye penetrant [Penetrant]	--
Additional tests [Additionele testen] (*)			

Signature and stamp [Handtekening en stempel]

Issued at (Place) [Uitgegeven in (Plaats)]	Date of issue [Datum van uitgifte]	Date of testing [Datum van proeflassen]	Revalidation method [Methode van verlengen]	Name, position or title, stamp and signature, Examiner [Naam, functie of titel, stempel/en handtekening, Keurmeester]
Rotterdam	05 March 2021	12 February 2021	Revalidation 9.3 b) Valid until 12 February 2023	 Mr. J.C.R. Assmann Senior Marine Inspector