

**RECOGNITION OF A TEST LABORATORY CERTIFICATE**

No. 02-001595/023337

THIS IS TO CERTIFY:

That CROATIAN REGISTER OF SHIPPING did undertake, at the Laboratory's request, and pursuant of the Work instruction QW104 - "Recognition of test laboratory", on assessment of the organisational structure, responsibilities, facilities and associated quality assurance procedures of the referenced Laboratory with respect to test and testing standards, subject to any conditions in the Schedule of recognition attached hereto.

1. LABORATORY:

Name of laboratory: **TISAN d.o.o.**
Address: Tehnička ispitivanja i analize
Tijani 6, 51000 RIJEKA, HRVATSKA - CROATIA

2. SCOPE OF RECOGNITION

As listed in Annex I of the Schedule of recognition providing that test witnessing shall be as stated hereto.

3. CONDITIONS FOR THE VALIDITY OF THE RECOGNITION

- Tests are to be carried out and reported in compliance with the relevant Regulation(s).
- Surveillance audits are to be carried out annually by the CRS's surveyors and recorded in the Annex II of the Schedule of the recognition.
- CRS is to be informed immediately of any modification in the organisational structure, responsibilities, facilities and associated quality assurance procedures.

Recognition is valid until: **2016-11-21**

Place and date: **Split, 2012-10-31**

Seal

Signature

Goran Begović, dipl.ing.

SCHEDULE OF RECOGNITION

Annex I to Certificate No:

No. 02-001595/023337

Item No.	Test method	Regulation	Test standards (latest edition)	Test witnessing mode (see note)	Comments
1.	Radiografsko ispitivanje materijala i zavarenih spojeva <i>Radiographical testing of materials and welded joints</i>	CRS Rules Part 25. CRS Rules Part 26.	EN-444 HRN EN-1435 EN-12681e	(2)	
2.	Ispitivanje materijala i zavarenih spojeva ultrazvukom <i>Ultrasonic testing of material and welded joints</i>	CRS Rules Part 25. CRS Rules Part 26.	EN-10160 EN-583 1-6 EN-12680-1e EN-12680-3e EN-1714	(2)	
3.	Ispitivanje materijala i zavarenih spojeva magnetskim česticama <i>Testing of materials and welded joints with magnetic particle methods</i>	CRS Rules Part 25. CRS Rules Part 26.	EN 1290/A1 EN-1369	(2)	
4.	Ispitivanje materijala i zavarenih spojeva penetrirajućim tekućinama <i>Testing of materials and welded joints with dye penetrant methods</i>	CRS Rules Part 25. CRS Rules Part 26.	EN 571-1 EN-1371 1-2	(2)	
5.	Mjerenje debljine ultrazvukom <i>Ultrasonic thickness measurement</i>	CRS Rules Part 1.		(1)	
6.	Vizualni pregledi <i>Visual examinations</i>	CRS Rules Part 1.	EN-970 EN-12454e	(3)	
7.	Ispitivanje nepropusnosti vakuumom <i>Tightness testing with vacuum</i>	CRS Rules Part 1.		(3)	
8.	Ispitivanje tvrdoće materijala i zavarenih spojeva <i>Hardness testing of materials and welded joints</i>	CRS Rules Part 25. CRS Rules Part 26.	EN 10003 1-3 DIN 51351 EN 10004 1-3 EN-1043-1	(1)	
9.	Metalografska analiza strukture materijala <i>Metallographical analysis of material structure</i>	CRS Rules Part 25.		(3)	

Note:

- (1) Except otherwise agreed upon, the CRS witnessing is compulsory for every test.
- (2) First test and one per 4 years.
- (3) CRS witnessing is not compulsory.

10.	Ispitivanje antikorozijske zaštite <i>Testing of anticorrosive protection</i>	CRS Rules Part 1.	ISO-2178 ISO-2409	(2)	
11.	Mjerenje zaostalog magnetizma <i>Residual field strength measurement protection</i>	CRS Rules Part 25.		(3)	



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- (1) Except otherwise agreed upon, the CRS witnessing is compulsory for every test.
- (2) First test and one per 4 years.
- (3) CRS witnessing is not compulsory.

SURVEILLANCE AUDITS

Annex II to Certificate no:

No. 02-001595/023337

Mandatory survey due period (+/- 3 months):

	1.	2.	3.
Due date:	2013-11-21	2014-11-21	2015-11-21
Date of survey:			
Name and signature:			
Seal:			

Raščlana

55.00

Zamjenjuje potvrdu

02-001319/022651