



REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

This report complies with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998
This crane has been examined to a Defined Scope of Thorough Examination as defined in from the CPA/HSE Best Practice Guide 'Maintenance, Inspection and Thorough Examination of Mobile Cranes' June 2010

Report Number: 2017/30188L	Date of report: 12 January 2017
Date of thorough examination: 12 January 2017	Safe Load Indicator i3000

Name and address of person for whom the thorough examination was made: EVEREST ZA De Varambon 83870 St Clair Du Rhone France	Address of premises at which examination was made: GGR Group Units 8 -10 Ridgeway Drakes Drive, Crendon Industrial Area Long Crendon Bucks, HP18 9BF
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Serial No:	Manufacturer & Model	Safe Working Load	@ Working radius	Date of Manufacture:	Date of previous thorough examination:
70W0040	URW706CDMR	6.0t	3.0m	2008	20/04/2016

Is this the first examination after installation					Was the examination carried out				
Or after assembly at a new site or location?	YES	☐	NO	☒	Within an interval of 6 months?	YES	☐	NO	☒
If the answer to the above question is YES					Within an interval of 12 months?	YES	☒	NO	☐
Has the equipment been installed correctly?	YES	☐	NO	☐	In accordance with an examination scheme?	YES	☒	NO	☐
					After the occurrence of exceptional circumstances?	YES	☐	NO	☒

Identification of any defect which is or could become a danger to persons and a description of the defect (if none state NONE)
NONE

Is the above a defect which is of immediate danger to persons?	YES	☐	NO	☒
Is the above a defect which is not yet but could become a danger to persons? If YES state the date by when	YES by:		NO	☒

Particulars of any repair, renewal or alteration required (if none state NONE):
NONE

Particulars of any tests carried out as part of the examination: (If none state NONE)
Mechanical functioning test, Electrical functioning test including Anti-Two Block system, Capability to support safe working load in accordance with Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1, Clause 4.1.2.3:

IS THIS EQUIPMENT SAFE TO OPERATE?	YES	☒	NO	☐
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Name of competent person making this report: Des Jarrett Crane Engineer	Name of the person authenticating this report: Craig Parkin Signature:	Latest date by which a thorough examination must be carried out: 11 January 2018
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Name and address of employer of persons making and authenticating this report:
GGR Group, Presentation House, Broadgate, Broadway Business Park, Oldham, OL9 0JA
T: ++44 (0)161 683 2580 F: ++44 (0)161 683 4444 E: technical@ggrgroup.com W: www.ggrgroup.com

Issue No:	4
Issue Date:	Jan 12
No of Pages:	Page 1 of 1
Document Ref:	RTE CR 02L



DÉCLARATION DE CONFORMITÉ CE
en accordance avec BS EN ISO/IEC 17020

UNIC
CRANES EUROPE

Fabricant : Furukawa UNIC Corporation

Adresse: Centre Building, 3-12 Higashishinagawa 2-chome
Shinagawa-Ku, Tokyo, 140-0002 Japan

Fournisseur: UNIC Cranes Europe Ltd

Adresse: 10 Ridgeway, Drakes Drive, Crendon Industrial Area
Long Crendon, Buckinghamshire, HP18 9BF, UK

Coordonnées +44 1844 202 071 / info@unic-cranes.com

Déclare par la présente que ;

Équipement: Mini grue télescopique sur chenilles

Nom Modèle / Nombre: URW 706 CDMER

Numéro de Série: 70W0040

Année de Construction: 2008

En accordance avec les Directives suivantes :

2006/42/EC	La Directive Machines et ses directives modifiées
2004/108/EC	La Directive Compatibilité Électromagnétique et ses directives modifiées
2005/88/EC	La Directive Relatives aux émissions sonores dans l'environnement des matériels destinés à être utilisés à l'extérieur des bâtiments et ses directives modifiées

a été développé et produit aux Normes harmonisées suivantes :

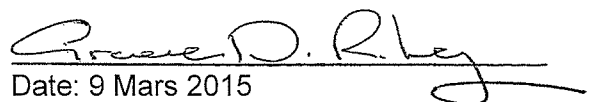
EN ISO 12100:2010 - Sécurité des Machines, EN 13000:2010+A1: 2014 - Grues - Grues Mobiles

Nom de la personne responsable : Graeme Riley, CEO

**Nom de la personne autorisée
compiler Fiche technique :** Graeme Riley, CEO

GRAEME RILEY, CEO

GGR Group, UNIC Cranes Europe Ltd,
Presentation House, Broadgate,
Broadway Business Park, Oldham, OL9 0JA


Date: 9 Mars 2015

CERTIFICATE

URW 706C

HOOK

FURUKAWA UNIC CORPORATION

SAKURA WORKS

2348, Ota, Sakura-shi, Chiba, 285-8511,

JAPAN

TELEPHONE
(81-43) 485-5111

FACSIMILE
(81-43) 485-5167

Certificate Test and Examination of Hook

We hereby certify ; - That we have duly inspected the following commodity
According to NATIONAL STANDARD and UNIC STANDARD(JIS B 2803-1987)

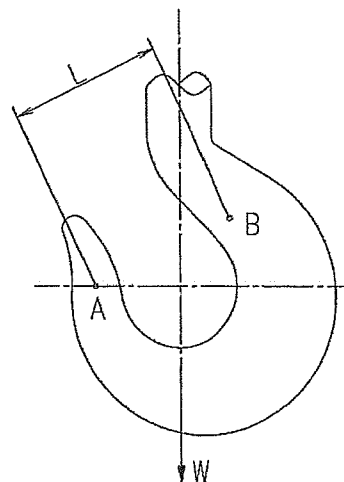
Application URW706C
Part No. 022735112
Capacity 6 t
Material JIS G 4051 S45C(Normalizing)
Tensile Strength . . . $\geq 570 \text{ N/mm}^2$
Yield Stress $\geq 345 \text{ N/mm}^2$
Test load(W) 12 t
Decision Hook permanent deformation . . . $< 0.25 \%$

Test procedure ;

Load test of hook is to be performed as specified below ;

- (1) Mark with dots on the surface of hook like figure.
- (2) Measure the distance between
the dot A and the dot B. (L0)
- (3) Charge the load (W) on the hook.
- (4) Remove the load and measure the distance between
the dot A and the dot B. (L1)
- (5) Calculate the permanent deformation.

$$\text{Parmanent deformation} = \frac{L1 - L0}{L0} \times 100 (\%)$$



Result of inspection : Good Permanent deformation = 0 (%)

Signature of Inspector H. Sato Date 12. Nov. 2013

FURUKAWA UNIC CORPORATION

SAKURA WORKS

2348, Ota, Sakura-shi, Chiba, 285-8511,

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Certificate Test and Examination of Hook

We hereby certify ; That we have duly inspected the following commodity
According to NATIONAL STANDARD and UNIC STANDARD(JIS B 2803-1987)

Application Extended Jib (URW706C)

Part No. 022738020

Capacity 800 kg

Material JIS G 4051 S45C(Normalizing)

Tensile Strength . . . $\geq 570 \text{ N/mm}^2$

Yield Stress $\geq 345 \text{ N/mm}^2$

Test load(W) 1.6 t

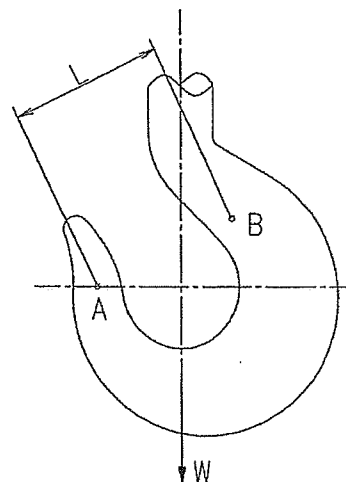
Decision Hook permanent deformation . . . $< 0.25 \%$

Test procedure ;

Load test of hook is to be performed as specified below ;

- (1) Mark with dots on the surface of hook like figure.
- (2) Measure the distance between
the dot A and the dot B. (L0)
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the dot A and the dot B. (L1)
- (5) Calculate the permanent deformation.

$$\text{Parmanent deformation} = \frac{L1 - L0}{L0} \times 100 (\%)$$



Result of inspection : Good Permanent deformation = 0 (%)

Signature of Inspector H. Sato Date 13. Nov. 2013

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SAKURA WORKS

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JAPAN

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Certificate Test and Examination of Hook

We hereby certify ; - That we have duly inspected the following commodity

According to NATIONAL STANDARD and UNIC STANDARD(JIS B 2803-1987)

Application Searcher Hook (URW706C)

Part No. 760330016

Capacity 800 kg

Material 42CrMo4 UNI EN 10083

Tensile Strength . . . $\geq 980.7 \text{ N/mm}^2$

Yield Stress $\geq 834 \text{ N/mm}^2$

Test load(W) 1.6 t

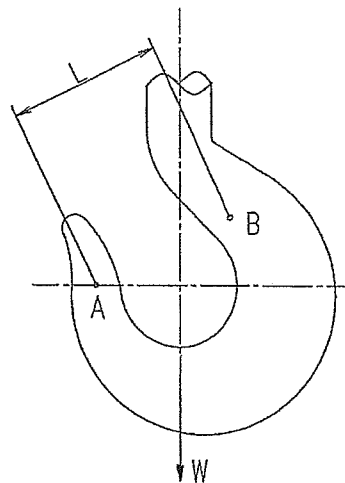
Decision Hook permanent deformation . . . $< 0.25 \%$

Test procedure ;

Load test of hook is to be performed as specified below ;

- (1) Mark with dots on the surface of hook like figure.
- (2) Measure the distance between
the dot A and the dot B. (L0)
- (3) Charge the load (W) on the hook.
- (4) Remove the load and measure the distance between
the dot A and the dot B. (L1)
- (5) Calculate the permanent deformation.

$$\text{Parmanent deformation} = \frac{L1 - L0}{L0} \times 100 (\%)$$



Result of inspection : Good Permanent deformation = 0 (%)

Signature of Inspector H. Sato Date 13. Nov. 2013

Purchaser. TOKYO KANZAI CO.,LTD. 殿

Order No.

Parts No. 022332010

No.4. 5TON7.17

注文No. HC499:00

KAWAGUCHI DROPFORGING Co.,Ltd.

RESULT OF MATERIAL TESTING

Date Tested 13.04.04

Material Grade S45C

JIS G4051 (1979)

AFTER HEAT TREATMENT

Description

Elements		Chemical Composition (%)										Heat Treatment	
		C	Si	Mn	P	S	Ni	Cr	Cu	Ni.Cr	:KYOWA HEAT TREATMENT CO.,LTD.		
Specification		0.42 0.48	0.15 0.35	0.60 0.90	max. 0.030	max. 0.035	max. 0.20	max. 0.20	max. 0.30	max. 0.35	(Q) 850°C x 1.5HR, W, C. (T) 580°C x 3.5HR, W, C.		
CH No. 1-94005		0.45	0.22	0.78	0.016	0.016	0.01	0.15	0.01	0.16	Steel Maker JFE STEEL CORPORATION		
Remarks		MARK. N FORGING Q.TY. (77PCS.)										Date of sampling 13.04.09	
		Test Specimen		Tension Test					Bending Test		Impact Test	Hardness Test	Results
Require ments		G. L. mm	Dia. mm	Area mm ²	Yielding Point N / mm ²	Tensile Strength N / mm ²	Elongation %	Reduction of Area %	Fracture Point	Internal Radius mm	Angle degree	Charpy (kg-m/cm ²) mm U-Notch min.	
		(JIS-4)			min. 490	min. 690	min. 17.0	min. 45.0					201~269
CH No. 1-94005													
Forging ratio													
		Test Maker.											

川口市本郷町15号

株式会社川口鍛造工所

Chief of Quality Control

Surveyor to the

Date 14年1月21日

熱処理作業記録

Heat Treatment Record

Messrs.

○株式会社川口鍍工所

御中



熱處理株式會社

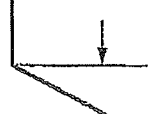
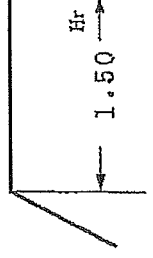
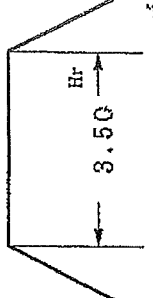
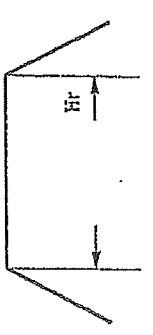
Kyowa Heat Treatment (株) 京和熱処理

田 操 作

山米口 13 年 4 月 9 日 ~ 4 月 9 日

法方理处熱

Heat Treatment Method

炉 Furnace No.	炉 Furnace No.	炉 Furnace No.	炉 Furnace No.	備考 Remarks
() °C	(850) °C	(580) °C	() °C	
				
冷却 Cool	水 冷却 Cool	水 冷却 Cool	冷却 Cool	
材 質 Material	品 名 Items	員 数 Quantity	注 番・部 番 OD/No.・DWG/No.	規 格 Specification
S45C	5TONフック	77	022332010	HB 201~269
				HB
				2
				1
				TP HB 241~



3040431

記号 Q=焼入れ、T=焼もどし、N=焼ならし、A=焼なまし、SR=応力除去焼なまし、ST=固溶化、AG=時効処理、OC=油冷、WC=水冷、AC=空冷

CERTIFICATE

URW 706C

ROPE



NIIGATA SEIKO CO., LTD.

NO.56, Nakakido, Higashi-ku, Niigata-shi, Niigata-ken, 950-0886, Japan

[SPECIFICATION]

[Date] : January, 31, 2014

[To Messrs.] FURUKAWA UNIC CORPORATION

[Description] : Steel Wire Rope with Joint Clamp

[Type] : 09L621231 (B-522443)

[Model] : URW706C

[Location] : 6th Boom Extension

Steel Wire Rope

[Construction] : IWRC6xFi(29) Ungalv.

[Lay] : Right Hand (Z) Ordinary Lay

[Norminal Dia.] : 11.2mm

[Minimum Breaking Load] : 79800 N

Dimensions of Description

[Length] : 8225 $\pm$ 10mm

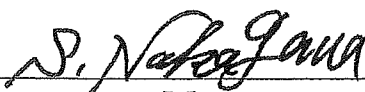
Ends of Description

[Materials] : S45C

[Kind of Processing] : Swaging

[Minimum Proof Load] : 79800N

We hereby promise that the steel wire rope with joint clamp herein has been satisfactorily tested and inspected in accordance with the requirements of the above specification.



Manager



NIIGATA SEIKO CO., LTD.

NO.56, Nakakido, Higashi-ku, Niigata-shi, Niigata-ken, 950-0886, Japan

[SPECIFICATION]

[Date] : January, 31, 2014

[To Messrs.] FURUKAWA UNIC CORPORATION

[Description] : Steel Wire Rope with Joint Clamp

[Type] : 09L621241 (B-522444)

[Model] : URW706C

[Location] : 6th Boom Extension

Steel Wire Rope

[Construction] : IWRC6xFi(29) Ungalv.

[Lay] : Right Hand (Z) Ordinary Lay

[Nominal Dia.] : 11.2mm

[Minimum Breaking Load] : 79800 N

Dimensions of Description

[Length] : 8510 $\pm$ 10mm

Ends of Description

[Materials] : S45C

[Kind of Processing] : Swaging

[Minimum Proof Load] : 79800N

We hereby promise that the steel wire rope with joint clamp herein has been satisfactorily tested and inspected in accordance with the requirements of the above specification.

Manager



NIIGATA SEIKO CO., LTD.

NO.56, Nakakido, Higashi-ku, Niigata-shi, Niigata-ken, 950-0886, Japan

[SPECIFICATION]

[Date] : January, 31, 2014

[To Messrs.] FURUKAWA UNIC CORPORATION

[Description] : Steel Wire Rope with Joint Clamp

[Type] : 09L621250 (B-522445)

[Model] : URW706C

[Location] : 6th Boom Contraction

Steel Wire Rope

[Construction] : IWRC6xFi(29) Ungalv.

[Lay] : Right Hand (Z) Ordinary Lay

[Norminal Dia.] : 8.0mm

[Minimum Breaking Load] : 40700 N

Dimensions of Description

[Length] : 21480 $\pm$ 10mm

Ends of Description

[Materials] : Aluminum alloy

[Kind of Processing] : Sleeve Lock

[Minimum Proof Load] : 40700 N

We hereby promise that the steel wire rope with joint clamp herein has been satisfactorily tested and inspected in accordance with the requirements of the above specification.



Manager

WIRE DEPT.

TOKYO  ROPE

Lloyd's Register

Tsuchiura Works, Ibaraki

Sakai Works, Osaka

TOKYO ROPE MFG. CO., LTD.

ESTABLISHED 1887

3-14 NIHONBASHI MUROMACHI 2-CHOME CHUO-KU

TOKYO 100-0006 JAPAN

No. UR06-0025
T65X025

Date: APR. 24, 2006

Certificate of Inspection for Steel Wire Rope.

To Messrs.

We hereby certify;—That we have duly inspected the following
commodities according to Tokyo Rope's Standard

Name of Manufacture: Tsuchiura Works
Galvanized or not: Ungalvanized
Construction: IWRC 6XP-FI (29)
Lay: Right Hand Ordinary Lay
Preformed or not: Preformed
Diameter: 10.00 MM (ACTUAL 10.30 MM)
Length: 2000.00 M
Number of Reel or Coil: 2
Total Mass of the Rope: 1880.0 kg
Actual Breaking Load: 91.10 (kN)
(Minimum Breaking Load) 83.70 (kN)
Mechanical Tests of Individual Wire: Good
Product Number: FC12673 , FC12674
Note: Pretensioned

J. Kagoyama

Manager of Quality Section
T. KAGOYAMA