



MAEDA SEISAKUSHO CO., LTD.

1095 Onbegawa, Shinonoi, Nagano City

Nagano 388-8522, JAPON

TEL +81-(0) 26-292-2228

FAX +81-(0) 26-293-8499

<http://www.maesei.co.jp/english/index.html>



DECLARATION CE DE CONFORMITE DE MACHINE

Le Fabricant

Nom de société:

Maeda Seisakusho Co., Ltd.

Adresse:

1095 Onbegawa, Shinonoi, Nagano City
Nagano, 388-8522 JAPON

Le Représentant européen

Nom de société

AB Kranlyft

Adresse:

Fibervagen 1 435 33 Molnlycke SUEDE
Tél +46 31 80 70 00

Déclare par la présente que la machine décrite ci-dessous:

Produit:

Mini-grue sur chenilles

Modèle:

CC1908S-1 (puissance kW = 52.3)

Serial Number:

9003

Année de Construction:

2020

- Est en conformité avec les directives suivantes:

La directive machines 2006/42/EC

Les deux derniers chiffres de l'année dans laquelle le marquage CE était apposé sont 20

- Est en conformité avec les provisions suivantes

" Directive de basse tension 2006/95/EC "

" Directive CEM 2014/30/EC "

" Directive d'émissions sonores dans l'environnement des matériels destinés à être utilisés
à l'extérieur des bâtiments 2000/14/EC, modifiée par la Directive 2005/88/EC "

- Niveau de puissance acoustique mesuré = 95 dB LWA

- Niveau de puissance acoustique garanti = 101 dB LWA

Et déclare en outre que:

- Les (parties /clauses des) normes harmonisées suivantes ont été appliquées:

EN ISO12100-:2010

Sécurité des machines - Principes généraux de conception - Evaluation
et réduction des risques

EN60204-1:2006

Sécurité des machines - Equipement électrique des machines -
Partie 1: Exigences générales

EN13000:2010 (Reference)

Grues - Grues mobiles

EN61000-6-2:2005

Compatibilité électromagnétique (CEM) - Partie 6-2: Normes génériques -
Immunité pour les environnements industriels

EN61000-6-4:2007

Compatibilité électromagnétique (CEM) - Partie 6-4: Normes génériques -
Emission pour les environnements industriels

EN ISO3744:1995

Acoustique. Détermination de niveaux de puissance acoustique émis
par les sources de bruit à partir de la pression acoustique.

Méthode d'expertise dans des conditions approchant celles du champ libre
sur plan réfléchissant

Place: Nagano, Japon

Date: 25 février, 2020

Shigeki Fukase

Directeur / Overseas Sales Department
MAEDA SEISAKUSHO CO., LTD.



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1095 Shinonoi Onbegawa, Nagano City
Nagano 388—8522, JAPAN
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TO WHOM IT MAY CONCERN:

Certificate of Test and Inspection

6 Fall, 4 Fall and 2 Fall, 3 Sheave Hook Block
Manufacturer: MAEDA SEISAKUSHO CO.,LTD.
Model for: CC1908S-1
Serial No. : 9003
Hook Block No. : 19Z02

We hereby certify that this hook block has been tested and inspected in accordance with the quality standard of our company and we guarantee the quality of this product.

Hook Block Ass'y:	Part No. 106-1181000
	Drawing No. 106-4733600
Specifications:	Refer to the attached document for details
Safe Working Load:	8000 kg
Sheave rope diameter:	10 mm
Actual value (Internal diameter):	85 mm
Date of Test and Inspection:	February 25, 2020

Signed on behalf of MAEDA SEISAKUSHO CO.,LTD.:

Seiichi Yamaguchi
General manager /Quality Assurance Division
MAEDA SEISAKUSHO CO.,LTD.



MAEDA SEISAKUSHO CO., LTD.

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EC DECLARATION OF CONFORMITY OF THE MACHINERY

Manufacturer

Company Name: Maeda Seisakusho Co., Ltd.
Address: 1095 Onbegawa, Shinonoi, Nagano City
Nagano, 388-8522 JAPAN

European Representative

Company Name: AB Kranlyft
Address: Fibervagen 1 435 33 Molnlycke SWEDEN
TEL +46 31 80 70 00

Hereby declares that the machine described below:

Product Name: Fly jib for Telescoping Crawler Crane
Model: Fly jib for CC1908S-1
Serial Number: FC001
Year of Manufacture: 2020

- is in conformity with the following directives
Machinery Directive 2006/42/EC

- is in conformity with the following provisions

- " Low Voltage Directive 2006/95/EC "
- " EMC Directive 2014/30/EC "
- " Noise emission in the environment by equipment for use outdoors Directive 2000/14/EC,
amended by the Directive 2005/88/EC"

- And furthermore declares that:

- The following (parts/clauses of) harmonized standards have been applied:

EN ISO12100-:2010	Safety of machinery – General principles for design – Risk assesment and risk reduction
EN60204-1:2006	Safety of machinery – electrical equipment of machines – Part 1: General requirements
EN13000:2010 (Reference)	Cranes – Mobile cranes
EN61000-6-2:2005	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments
EN61000-6-4:2007	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission for industrial environments
EN ISO3744:1995	Acoustics. Determination of sound power levels of noise sources using sound pressure. Engineering method in an essentially free field over a reflection plane

Place: Nagano, Japan
Date: February 25, 2020

Shigeki Fukase
Manager / Overseas Sales Department
MAEDA SEISAKUSHO CO., LTD.



MAEDA SEISAKUSHO CO., LTD.

1095 Shinonoi Onbegawa, Nagano City
Nagano 388-8522, JAPAN
TEL +81-(0) 26-292-2228
FAX +81-(0) 26-293-5590

TO WHOM IT MAY CONCERN:

Certificate of Test and Inspection

Single fall Hook Block for fly jib and searcher hook
Manufacturer: MAEDA SEISAKUSHO CO., LTD.
Model for: CC1908S-1
Hook Block No. : 9Z04

We hereby certify that this hook block has been tested and inspected in accordance with the quality standard of our company and we guarantee the quality of this product.

Hook Block Ass'y:	Part No. 520-2268400
	Drawing No. 584-4587200
Specifications:	Refer to the attached document for details
Safe Working Load:	1.5t
Actual value (Internal diameter):	70 mm
Date of Test and Inspection:	February 25, 2020

Signed on behalf of MAEDA SEISAKUSHO CO., LTD.:

Seiichi Yamaguchi
General manager / Quality Assurance Division
MAEDA SEISAKUSHO CO., LTD.



MAEDA SEISAKUSHO CO., LTD.

1095 Onbegawa Shinonoi, Nagano City

Nagano 388-8522, JAPAN

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CERTIFICATE FOR LOAD TEST

We herewith confirm that following model:

MC104CER	MC405CRM-3
MC174CRM	MC405CRME-3
MC285CRM	LC383M-5
MC285CRME	LC785M-8B
MC285CGRM-2	MK1033CW-1
MC285CRM-2	MK1033CWH-1
MC285CRME-2	MK1033CWE-1
MC305CRM-2	MK1033CWEH-1
MC305CRME-2	MC815CWM
MC305CRM-3	MC815CWME
MC305CRME-3	CC985S-1
MC405CRM	CC1485S-1
MC405CRME	CC1908S-1

Have been test-lifted with 1.25 times the rated total load at our factory.

We also confirm that the group of classification of the mechanism as a whole is M3

and type of crane is A1 in accordance with ISO 4301-2 (JIS B 8822-1).

Place: Nagano, Japan
Date: February 3, 2020

S. Yamaguchi

Seiichi Yamaguchi
General Manager / Quality Assurance Department
MAEDA SEISAKUSHO CO., LTD.



NIIGATA SEIKO CO., LTD.

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

新潟県新潟市東区中木戸 56 番地

新潟製綱株式会社

検査証明書 [CERTIFICATE OF INSPECTION]

日付 [Date] : February 5, 2020

顧客名 [To Messrs.] MAEDA SEISAKUSHO CO., LTD.

適用規格 [Specification] : JIS G 3525

部品番号 [Type] : S520P4035000

数量 [Quantity] : 3

機種名 [Model] : CC1908S-1

注文番号 [Order No.] : XA998220

ロット番号 [Lot No.] : C43

ロープ構成 [Construction] : IWRC6xFi(29) Ungalv.

ロープ撚り [Lay] : Right Hand (Z) Ordinary Lay

公称ロープ径 [Nominal Dia.] : 10.0mm

実際ロープ径 [Actual Dia.] : 10.31mm

ロープ長さ [Length] : 160 m

製品番号 [Product No.] : 19M2519

種別 [Grade] : S

規格破断荷重 [Specified Breaking Load] : 72.9 kN

実際破断荷重 [Actual Breaking Load] : 82.8kN

外観 [Appearance] : Good

素線試験 [Wire Test] : Good

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

上記のワイヤロープは、規格通りに検査に合格していることを証明致します。

Manager





NIIGATA SEIKO CO., LTD.

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

新潟県新潟市東区中木戸 56 番地

新潟製綱株式会社

検査証明書 [CERTIFICATE OF INSPECTION]

日付 [Date] : February 5, 2020

顧客名 [To Messrs.] MAEDA SEISAKUSHO CO., LTD.

適用規格 [Specification] : JIS G 3525

部品番号 [Type] : S520P4035000

数量 [Quantity] : 1

機種名 [Model] : CC1908S-1

注文番号 [Order No.] : CD0178

ロット番号 [Lot No.] : C53

ロープ構成 [Construction] : IWRC6xFi(29) Ungalv.

ロープ撚り [Lay] : Right Hand (Z) Ordinary Lay

公称ロープ径 [Norminal Dia.] : 10.0mm

実際ロープ径 [Actual Dia.] : 10.31mm

ロープ長さ [Length] : 160 m

製品番号 [Product No.] : 20M2799

種別 [Grade] : S

規格破断荷重 [Specified Breaking Load] : 72.9 kN

実際破断荷重 [Actual Breaking Load] : 79.2kN

外観 [Appearance] : Good

素線試験 [Wire Test] : Good

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

上記のワイヤロープは、規格通りに検査に合格していることを証明致します。

S. Nakajima

Manager





NIIGATA SEIKO CO., LTD.

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

新潟県新潟市東区中木戸 56 番地

新潟製綱株式会社

検査証明書 [CERTIFICATE OF INSPECTION]

日付 [Date] : February 5, 2020

顧客名 [To Messrs.] MAEDA SEISAKUSHO CO., LTD.

適用規格 [Specification] : JIS G 3525

部品番号 [Type] : S520P4035000

数量 [Quantity] : 4

機種名 [Model] : CC1908S-1

注文番号 [Order No.] : XA998220

ロット番号 [Lot No.] : C43

ロープ構成 [Construction] : IWRC6xFi(29) Ungalv.

ロープ撚り [Lay] : Right Hand (Z) Ordinary Lay

公称ロープ径 [Norminal Dia.] : 10.0mm

実際ロープ径 [Actual Dia.] : 10.31mm

ロープ長さ [Length] : 160 m

製品番号 [Product No.] : 20M2799

種別 [Grade] : S

規格破断荷重 [Specified Breaking Load] : 72.9 kN

実際破断荷重 [Actual Breaking Load] : 79.2kN

外観 [Appearance] : Good

素線試験 [Wire Test] : Good

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

上記のワイヤロープは、規格通りに検査に合格していることを証明致します。



Manager





NIIGATA SEIKO CO., LTD.

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

新潟県新潟市東区中木戸 56 番地

新潟製綱株式会社

検査証明書 [CERTIFICATE OF INSPECTION]

日付 [Date] : December 6, 2017

顧客名 [To Messrs.] MAEDA SEISAKUSHO CO., LTD.

部 品 名 称 [Description] : Steel Wire Rope with Joint Clamp

部 品 番 号 [Type] : S106P3589000

数 量 [Quantity] : 4

機 種 名 [Model] :

用 途 [Location] : Boom Contraction

注 文 番 号 [Order No.] : XX567035

ワイヤロープ [Steel Wire Rope Product No.] : 17H1622

ロープ 構成 [Construction] : IWRC 6x7(29) Ungalv.

ロープ 撚り [Lay] : Right Hand (Z) Ordinary Lay

規格破断荷重 [Minimum Breaking Load] : 54800 N

ロープ 径 [Norminal Dia.] : 9.0mm

部 品 寸 法 [Dimensions of Description]

全 長 [Length] : 17040 ±15 mm

端 末 加 工 [Ends of Description Lot No.] : B612

端末金具材質 [Materials] : S45C

加 工 方 法 [Kind of Processing] : Swaging

保証締結荷重 [Minimum Proof Load] : 54800 N

破断試験結果 [Load at Breaking Test] : 71400N

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.

上記のジョイントクランプ加工品は、規格通りに検査に合格していることを証明致します。

Manager



NIIGATA SEIKO CO., LTD.

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

新潟県新潟市東区中木戸 56 番地

新潟製綱株式会社

検査証明書 [CERTIFICATE OF INSPECTION]

日付 [Date] : December 6, 2017

顧客名 [To Messrs.] MAEDA SEISAKUSHO CO., LTD.

部 品 名 称 [Description] : Steel Wire Rope with Joint Clamp

部 品 番 号 [Type] : S106P3588000

数 量 [Quantity] : 4

機 種 名 [Model] :

用 途 [Location] : Boom Extension

注 文 番 号 [Order No.] : XX567033

ワイヤロープ [Steel Wire Rope Product No.] : 13W0104

ロープ 構成 [Construction] : IWRC 6xFi(29) Ungalv.

ロープ 撚り [Lay] : Right Hand (Z) Ordinary Lay

規格破断荷重 [Minimum Breaking Load] : 106000 N

ロープ 径 [Norminal Dia.] : 12.5mm

部 品 寸 法 [Dimemnsions of Description]

全 長 [Length] : 8960 ±10 mm

端 末 加 工 [Ends of Description Lot No.] : B612

端末金具材質 [Materials] : S45C

加 工 方 法 [Kind of Proccessing] : Swaging

保証締結荷重 [Minimum Proof Load] : 106000 N

破断試験結果 [Load at Breaking Test] : 118000N

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.

上記のジョイントクランプ加工品は、規格通りに検査に合格していることを証明致します。

Manager

Strength Calculation of 6.4.2 Falls Hook

Revised Mar. 05. 2020

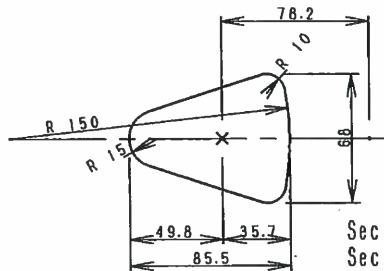
Established Oct. 26. 2017

Material and tensile strength of 6.4.2 Falls Hook:

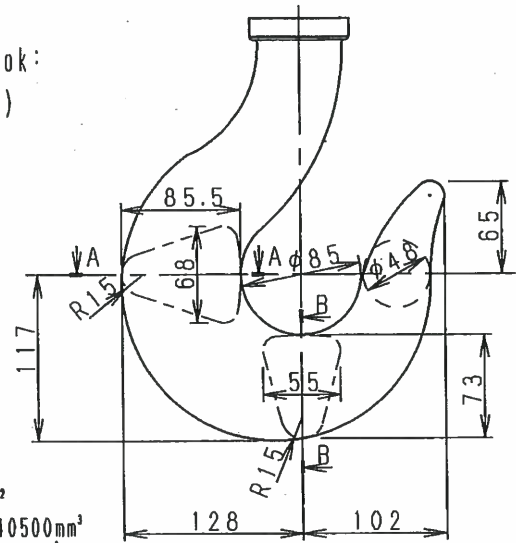
Material: S45C-H (Hardened and tempered)

Tensile strength: $\sigma_B = 686 \text{ N/mm}^2$

1. Strength calculation of cross section A-A:



Sectional area: $A = 3997 \text{ mm}^2$
 Section modulus: $Z_{\text{compression}} = 40500 \text{ mm}^3$
 Section modulus: $Z_{\text{tension}} = 56500 \text{ mm}^3$



Tensile stress σ_A of the section A-A is,

$$\sigma_A = (W \times R_A / Z_A + W / A_A) \times 9.80665$$

where, W is rated load

R_A is distance from load application line to centroid of section A-A

A_A is sectional area section A-A

Z_A is section modulus on tension side of section A-A

8000 kg

78.2 mm

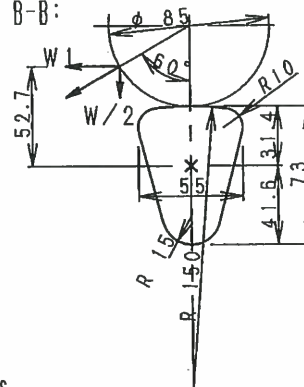
3997 mm²

56500 mm³

$$\sigma_A = (8000 \text{ kg} \times 78.2 \text{ mm} / 56500 \text{ mm}^3 + 8000 \text{ kg} / 3997 \text{ mm}^2) \times 9.80665 = 128.2 \text{ N/mm}^2$$

$$\text{Safety factor } S = \sigma_B / \sigma_A = 686 \text{ N/mm}^2 / 128.2 \text{ N/mm}^2 = 5.35 > 5$$

2. Strength calculation of cross section B-B:



Sectional area: $A = 2922 \text{ mm}^2$
 Section modulus: $Z_{\text{compression}} = 26500 \text{ mm}^3$
 Section modulus: $Z_{\text{tension}} = 35100 \text{ mm}^3$

Tensile stress σ_B of the section B-B is,

$$\sigma_B = (W_1 \times R_B / Z_B + W_1 / A_B) \times 9.80665$$

where, W_1 is Horizontal component due to rated load $(8000/2) \times \tan 60^\circ = 6928 \text{ kg}$

R_B is distance from load application line to centroid of section B-B 52.7 mm

A_B is sectional area section B-B 2922 mm²

Z_B is section modulus on tension side of section B-B 35100 mm³

35100 mm³

$$\sigma_B = (6928 \text{ kg} \times 52.7 \text{ mm} / 35100 \text{ mm}^3 + 6928 \text{ kg} / 2922 \text{ mm}^2) \times 9.80665 = 125.3 \text{ N/mm}^2$$

$$\text{Safety factor } S = \sigma_B / \sigma_B = 686 \text{ N/mm}^2 / 125.3 \text{ N/mm}^2 = 5.47 > 5$$

In either case, safety factor is greater than 5.

MODEL: MC815C (S/N T0009-), CC1908S-1



MAEDA SEISAKUSHO CO., LTD.

Drawing No.

106-4733600

Strength Calculation of Single Fall Hook

Revised Mar. 05. 2020

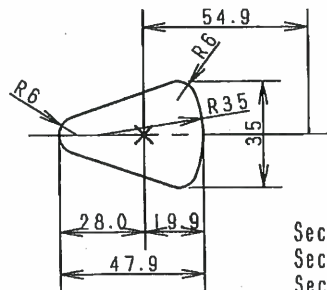
Established Feb. 12. 2009

Material and tensile strength of single Fall hook:

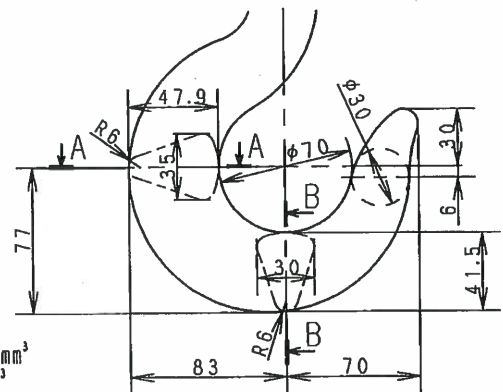
Material: S45C-N (Tempered)

Tensile strength: $\sigma_B = 569 \text{ N/mm}^2$

1. Strength calculation of cross section A-A:



Sectional area: $A = 1105 \text{ mm}^2$
 Section modulus: $Z_{\text{compression}} = 5920 \text{ mm}^3$
 Section modulus: $Z_{\text{tension}} = 8330 \text{ mm}^3$



Tensile stress σ_A of the section A-A is,

$$\delta t_A = (W \times R_A / Z_A + W / A_A) \times 9.80665$$

where, W is rated load

R_A is distance from load application line to centroid of section A-A

A_A is sectional area section A-A

Z_A is section modulus on tension side of section A-A

1500 kg

54.9 mm

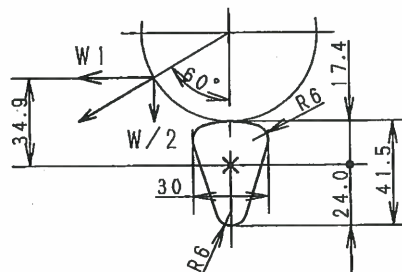
1105 mm²

8330 mm³

$$\delta t_A = (1500 \text{ kg} \times 54.9 \text{ mm} / 8330 \text{ mm}^3 + 1500 \text{ kg} / 1105 \text{ mm}^2) \times 9.80665 = 110.3 \text{ N/mm}^2$$

$$\text{Safety factor } S = \sigma_B / \delta t_A = 569 \text{ N/mm}^2 / 110.3 \text{ N/mm}^2 = 5.16 > 5$$

2. Strength calculation of cross section B-B:



Sectional area: $A = 845 \text{ mm}^2$
 Section modulus: $Z_{\text{compression}} = 4040 \text{ mm}^3$
 Section modulus: $Z_{\text{tension}} = 5570 \text{ mm}^3$

Tensile stress σ_B of the section B-B is,

$$\delta t_B = (W_1 \times R_B / Z_B + W_1 / A_B) \times 9.80665$$

where, W_1 is Horizontal component due to rated load $(1500/2) \times \tan 60^\circ = 1299 \text{ kg}$

R_B is distance from load application line to centroid of section B-B 34.9 mm

A_B is sectional area section B-B 845 mm²

Z_B is section modulus on tension side of section B-B 5570 mm³

$$\delta t_B = (1299 \text{ kg} \times 34.9 \text{ mm} / 5570 \text{ mm}^3 + 1299 \text{ kg} / 845 \text{ mm}^2) \times 9.80665 = 94.9 \text{ N/mm}^2$$

$$\text{Safety factor } S = \sigma_B / \delta t_B = 569 \text{ N/mm}^2 / 94.9 \text{ N/mm}^2 = 6.00 > 5$$

In either case, safety factor is greater than 5.

MODEL: LC383M-5, LC785M-6, LC785M-8, LC1385M-8, CC985S-1, CC1485S-1,
 MK1033CW-1, MC285C-2 AuxWinch, MC405C FlyJib, MC815C, MC815C FlyJib
 CC1908S-1, CC1908S-1 FlyJib, CC1908S-1 SearcherHook



MAEDA SEISAKUSHO CO., LTD.

Drawing No.

584-4587200

Certificate number NJ09003



CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRANE

Name and address of owner of crane:	Kranlyft-group , Fibervagen 1, 435 33 Molnlycke , Sweden
Name and address of maker of crane:	Maeda Seisakusho Co., Ltd.
Type of crane and nature of power.	Hydraulic tracked diesel engined telescopic crawler crane, Model CC1908S-1F
Date of manufacture of crane.	2020
IDENTIFICATION NUMBER:	(a) Maker's serial number: <u>9003</u> (b) Owner's distinguishing Mark or number (if any): not registered
Make and type of automatic safe load Make and type of derricking interlock , if required:	MAEDA SEISAKUSHO CO., LTD / TTTech N/A
Date of last previous test of crane:	New machine
Date of last previous thorough examination of crane:	New machine
Safe working load or loads:	See attached sheets 1 to 5
In the case of a crane with a derricking jib or jibs the max. radius at which the jib or jibs may be worked (in feet):	See attached sheets 1 to 5
Defects noted and alterations or repairs required before crane is put into service:	None. None.

I hereby certify that the crane described in this certificate was tested and thoroughly examined on 08 / 01 / 2020 and that the above particulars are correct.

Signature: R. Ikeda Qualification Engineer

Name and address of person , company or association by whom the person conducting the test and examination is employed. Maeda Seisakusho Co., Ltd.
1095 Onbegawa , Shinonoi ,
Nagano city , Nagano prefecture
388-8522 , Japan

DATE OF CERTIFICATE: 08 / 01 / 2020 For notes see overleaf.

9003

CERTIFICATE No. NJ09003

SIGNATURE *R. J. Jordan* ENGINEER

ENGINEER

CERTIFICATE No. NJ09003 SERIAL NO: 9003 MAEDA CC1908S-1F

CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRANE					PAGE 2
*Safe working load or loads.	LENGTH OF JIB (METRES)	RADIUS (METRES)	ANGLE °	TEST LOAD KG	SAFE WORKING LOAD KG
In the case of a crane with a	8.99 m boom	2.00		NIL	6390
variable operating radius (including	1+2 boom	2.50		NIL	6390
a crane with a derricking jib or with		2.80		NIL	6390
interchangeable jibs of different		3.00		NIL	6390
lengths) the safe working load at		3.50		NIL	6250
various radii of the jib, jibs,		4.00		NIL	5370
or crab must be given. Test loads at		4.50		NIL	4670
various radii should be given in		5.00		NIL	4080
column (IV) and in the case of a		5.35		NIL	3730
safe working load which has been		5.50		NIL	3590
calculated without the application of		6.00		NIL	3170
a test load "NIL" should be entered		6.50		NIL	2800
in that column.		7.00		NIL	2490
		8.00		NIL	1960
*In the case of a crane with a		8.82		2100	1620
derricking jib or jibs the maximum					
radius at which the jib or jibs may					
be worked is : 8.82m					
*We herewith confirm that we test lift all our manufactured cranes individually with 1.25 times the rated load before delivering. *We also confirm that the group of classification of the mechanism as a whole is M3 (for hoist) and type of crane is A1 in accordance with JIS B 8822-1 (ISO 4301-2). *I hereby certify that the crane described in this certificate was tested and thoroughly examined on 08/01/2020 and that the above particulars are correct.					
MAEDA SEISAKUSHO CO., LTD. TEL : +81-(0)26-292-2304 FAX : +81-(0)26-293-8768					

DATE OF CERTIFICATE : 08/01/2020

SIGNATURE R. Ikeda ENGINEER

MAEDA CC1908S-1F

SIGNATURE *R. Ikeda* ENGINEER

CERTIFICATE No. NJ09003

SERIAL NO: 9003

MAEDA GC1908S-1F

CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRANE				PAGE 4	
* Safe working load or loads.	LENGTH OF JIB (METRES)	RADIUS (METRES)	ANGLE °	TEST LOAD KG	SAFE WORKING LOAD KG
In the case of a crane with a	15.93 m boom	3.00		NIL	3390
variable operating radius (including	1+2+3+4 boom	3.50		NIL	3390
a crane with a derricking jib or with		4.00		NIL	3390
interchangeable jibs of different		4.50		NIL	3390
lengths) the safe working load at		5.00		NIL	3390
various radii of the jib , jibs,		5.35		NIL	3390
or crab must be given. Test loads at		5.50		NIL	3340
various radii should be given in		6.00		NIL	3040
column (IV) and in the case of a		6.50		NIL	2770
safe working load which has been		7.00		NIL	2540
calculated without the application of		8.00		NIL	2140
a test load "NIL" should be entered		8.82		NIL	1860
in that column .		9.00		NIL	1810
		9.50		2100	1670
*In the case of a crane with a		10.00		NIL	1530
derricking jib or jibs the maximum		11.00		NIL	1300
radius at which the jib or jibs may		12.00		NIL	1100
be worked is : 15.73m		12.29		NIL	1050
		13.00		NIL	930
		14.00		NIL	780
		15.00		NIL	650
		15.73		NIL	560
*We herewith confirm that we test lift all our manufactured cranes individually with 1.25 times the rated load before delivering . *We also confirm that the group of classification of the mechanism as a whole is M3 (for hoist) and type of crane is A1 in accordance with JIS B 8822-1 (ISO 4301-2). *I hereby certify that the crane described in this certificate was tested and thoroughly examined on 08 / 01 / 2020 and that the above particulars are correct.					
MAEDA SEISAKUSHO CO., LTD. TEL : +81-(0)26-292-2304 FAX : +81-(0)26-293-8768					

DATE OF CERTIFICATE : 08/01/2020

SIGNATURE R. Ikoda ENGINEER

CERTIFICATE No. NJ09003

SERIAL NO: 9003

MAEDA CC1908S-1F

CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRANE					PAGE 5
* Safe working load or loads.	LENGTH OF JIB (METRES)	RADIUS (METRES)	ANGLE °	TEST LOAD KG	SAFE WORKING LOAD KG
In the case of a crane with a	19.40 m boom	3.50		NIL	2390
variable operating radius (including	1+2+3+4+5 boom	4.00		NIL	2390
a crane with a derricking jib or with		4.50		NIL	2390
interchangeable jibs of different		5.00		NIL	2390
lengths) the safe working load at		5.35		NIL	2390
various radii of the jib, jibs,		5.50		NIL	2390
or crab must be given. Test loads at		6.00		NIL	2390
various radii should be given in		6.50		NIL	2350
column (IV) and in the case of a		7.00		NIL	2140
safe working load which has been		8.00		NIL	1800
calculated without the application of		8.50		2100	1660
a test load "NIL" should be entered		8.82		NIL	1570
in that column.		9.00		NIL	1530
		10.00		NIL	1310
*In the case of a crane with a		11.00		NIL	1130
derricking jib or jibs the maximum		12.00		NIL	970
radius at which the jib or jibs may		12.29		NIL	940
be worked is : 19.23m		13.00		NIL	850
		14.00		NIL	730
		15.00		NIL	640
		15.73		NIL	570
		16.00		NIL	550
		17.00		NIL	480
		18.00		NIL	410
		19.00		NIL	350
		19.23		NIL	340
*We herewith confirm that we test lift all our manufactured cranes individually with					
1.25 times the rated load before delivering.					
*We also confirm that the group of classification of the mechanism as a whole is M3					
(for hoist) and type of crane is A1 in accordance with JIS B 8822-1 (ISO 4301-2).					
*I hereby certify that the crane described in this certificate was tested and thoroughly					
examined on 08/01/2020 and that the above particulars are correct.					
MAEDA SEISAKUSHO CO., LTD.					
TEL : +81-(0)26-292-2304 FAX : +81-(0)26-293-8768					

DATE OF CERTIFICATE : 08/01/2020

SIGNATURE R. Ikeda

ENGINEER

CERTIFICATE No. NJO9003

SERIAL NO: 9003

MAEDA CC1908S-1F

CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF CRANE				PAGE 6	
*Safe working load or loads.	LENGTH OF JIB (METRES)	Boom ANGLE °	Jib tilt ANGLE °	TEST LOAD KG	SAFE WORKING LOAD KG
In the case of a crane with a	19.40 m boom	80°	0°	NIL	1020
variable operating radius (including	1+2+3+4+5 boom	70°	0°	NIL	820
a crane with a derricking jib or with	plus 5.9m Fly-jib	60°	0°	NIL	620
interchangeable jibs of different		50°	30°	380	300
lengths) the safe working load at		40°	30°	NIL	160
various radii of the jib , jibs,					
or crab must be given. Test loads at					
various radii should be given in					
column (IV) and in the case of a					
safe working load which has been					
calculated without the application of					
a test load "NIL" should be entered					
in that column .					
*In the case of a crane with a					
derricking jib or jibs the maximum					
radius at which the jib or jibs may					
be worked is : 20.84m					
*We herewith confirm that we test lift all our manufactured cranes individually with 1.25 times the rated load before delivering . *We also confirm that the group of classification of the mechanism as a whole is M3 (for hoist) and type of crane is A1 in accordance with JIS B 8822-1 (ISO 4301-2). *I hereby certify that the crane described in this certificate was tested and thoroughly examined on <u>29/01/2020</u> and that the above particulars are correct.					
MAEDA SEISAKUSHO CO., LTD. TEL : +81-(0)26-292-2304 FAX : +81-(0)26-293-8768					

DATE OF CERTIFICATE : 29/01/2020

SIGNATURE R. Hooda

ENGINEER