

# KOBELCO

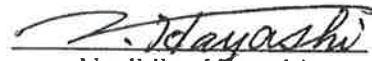
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Tel 81-78-936-1333 Fax 81-78-936-1379  
Kobelco Cranes Co.,Ltd.

Model : 12000-1/Kobelco Model CK1200G Crawler Crane  
Serial No. : 12001205/Kobelco Serial No. GK05-04010  
Engine : Hino Motors, Ltd.  
Model J08E-UV Serial No. J08EUV11214

Kobelco Cranes Co.,Ltd certifies that the above-mentioned crane meets applicable requirements prescribed in the ANSI B30.5-1968 safety code for crawler, locomotive and truck cranes and the applicable requirements on the parts of manufacturer as prescribed in OSHA standards section 1910.180 and subpart N section 1926.550. The ANSI B30.5-1968 code requires that cranes must satisfy the SAE J765-crane load stability test and SAE J987-crane structures test.

The subject model has been confirmed by Kobelco Cranes Co.,Ltd to meet these requirements.

27. April, 2012



Norihiko Hayashi  
General Manager  
Quality Assurance Department  
Kobelco Cranes Co.,Ltd

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## TEST AND INSPECTION PROCEDURE

### 1. Visual Inspection

As a result of visual inspection, the machine was found to be properly assembled, no damaged, and painted satisfactorily.

### 2. General Dimensions

General dimensions of the machine were checked in accordance with our standard specifications and the results were found to be satisfactory within permissible manufacturing tolerances.

### 3. Operation Test

All mechanical operations, such as hook, boom hoisting, lowering, and rotating were tested when the machine was equipped with the crane attachment and the results were found to be satisfactory.

### 4. Stability Test

Testing load - 133 % of rating load - was applied on the machine, and the stability was found to be satisfactory, the test data are per attached sheets.

### 5. Safety Device

All safety device operations, such as boom and hook overhoist preventive devices, boom angle indicator, signal horn and boom back stop when the machine was equipped with booms, were tested and found to be satisfactory.

## RESULT OF CRANE LIFTING INSPECTION

Model : 12000-1/Kobelco Model CK1200G Crawler Crane  
 Serial No. : 12001205/Kobelco Serial No. GK05-04010  
 Engine No : J08EUV11214

### 1. Stability Test

No.	Boom Length	Description	Over Load	Lifting Load (lbs)	Rated Radius (ft)	Lifting Area	Result
11	50ft Boom	Load suspension	133%	141800	24.9	R&S	Good
		M/Hook 242500 lbs (3750 lbs)	133%	71250	41.0	R&S	Good

NOTE : 1. Over load of 133% indicates the lifting condition at stability.  
 2. Marks of R&S on lifting area column means lifting both rear and side.  
 3. The weight of hook is included in the lifting load.

### 2. Load-moment Limitor Device Test

No.	Boom Length	Description	Lifting Load (lbs)	Rated Radius (ft)	Lifting Area	Result (ft)
21	50ft Boom	Load suspension	141800	19.0~21.0	Rear	19.8
		M/Hook 242500 lbs (3750 lbs)	71250	33.1~35.4	Rear	33.8

1. The weight of hook is included in the lifting load.

## CERTIFICATE OF WIRE ROPES

Model : 12000-1/Kobelco Model CK1200G Crawler Crane  
 Serial No. : 12001205/Kobelco Serial No. GK05-04010

### 1. Hoist Ropes.

Description	Dia × Length	Product No.	Actual Breaking Load
1) Main Hoist Rope	26mm × 260m	5B5A02G-3	541kN
2) Aux Hoist Rope	26mm × 230m	6B5A02G-1	538kN
3) Boom Hoist Rope	20mm × 155m	P01232-003	340kN

### 2. Crane Guy Cables

1) GK71A00005D1	34mm × 7.100m × 2	L3769	1080kN
2) JJ71A00006D1	34mm × 3.050m × 4	L3770	1080kN
3) JJ71A00006D2	34mm × 6.100m × 4	L3771	1080kN
4) JJ71A00006D4	34mm × 12.200m × 6	L3772	1080kN

Test data of above ropes are as attached sheet.

# ワイヤロープ試験成績証明書

## Certificate of Test and Examination of Wire Rope

Date 12 / 04 / 06

殿

No. 12040605

製品番号 <i>Mfg. No.</i>	5B5A02G-3	御注文番号 <i>Order No.</i>	
規格 <i>Specification</i>	SHINKO STANDARD	種別 <i>Grade</i>	ORDERER'S SPEC.
ロープ構成 <i>Construction</i>	1B 6X29, FILLER, IWRC	より方 <i>Layout</i>	HUNGALV'D, R.R.L.
ロープ径 <i>Diameter</i>	公称径 <i>Nominal</i> 26.00 mm	実際径 <i>Actual</i>	26.60 mm (+ 2.30 %)
破断荷重 <i>Breaking Load</i>	指定値 <i>Spec.</i> 534.00 kN	実際値 <i>Actual</i>	541.00 kN
ロープ長さ <i>Length</i>	260 X 1 m	ロープ質量 <i>Weight</i>	kg

素線試験  
*Test Results of Wire*

ねじり試験 <i>Torsion</i>	巻解試験 <i>Wrapping &amp; Unwrapping Test</i>	亜鉛めっき試験 <i>Zinc Coating Test</i>
GOOD	GOOD	-

備考

以上試験した結果相違ないことを証明します。

*This is to Certify that the above particulars are correct*

**神鋼鋼線工業株式会社**

SHINKO WIRE COMPANY, Ltd

**尾上事業所 品質保証室**

*Quality Assurance Department Onoe Works*

〒675-0027 加古川市尾上町今福128 電話(079)424-2681

No. 128, Imafuku, Onoe-Cho, Kakogawa, Japan

Tel, (079) 424-2681

*M. Asami*

品質保証室長

Manager of Quality Assurance Dept.

# ワイヤロープ試験成績証明書

## Certificate of Test and Examination of Wire Rope

Date 12 / 04 / 06

殿

No. 12040607

製品番号 Mfg. No. 6B5A02G-1 御注文番号 Order No.

規格 Specification SHINKO STANDARD 種別 Grade ORDERER'S SPEC.

ロープ構成 Construction 1B 6X29, FILLER, IWRC 捻り方 Lay HUNGALV'D, R.R.L.

ロープ径 Diameter 公称径 Nominal 26.00 mm 実際径 Actual 26.64 mm (+ 2.50 %)

破断荷重 Breaking Load 指定値 Spec. 534.00 kN 実際値 Actual 538.00 kN

ロープ長さ Length 230 X 1 m ロープ質量 Weight kg

## 素線試験

Test Results of Wire

ねじり試験 Torsion	巻解試験 Wrapping & Unwrapping Test	亜鉛めっき試験 Zinc Coating Test
GOOD	GOOD	-

備考

以上試験した結果相違ないことを証明します。

This is to Certify that the above particulars are correct

神鋼鋼線工業株式会社

SHINKO WIRE COMPANY, Ltd.

尾上事業所 品質保証室

Quality Assurance Department Onoe Works

〒675-0027 加古川市尾上町今福128 電話(079)424-2681

No. 128, Imafuku, Onoe-cho, Kakogawa, Japan

Tel. (079) 424-2681

M. Asami

品質保証室長

Manager of Quality Assurance Dept.



# TESAC

## ワイヤロープ証明書

### CERTIFICATE FOR STEEL WIRE ROPE

No. 30052011.09.05

株式会社テサックワイヤロープ

二色浜製造所

TESAC WIRE ROPE CO., LTD.

NISHIKINOHAMA MANUFACTORY

本ワイヤロープは下記規格により検査し本記載通りの検査成績であることを証明致します。

We hereby certify that this steel wire rope is examined and tested strictly according to the under-mentioned specification at our works and we guarantee the quality of the article.

適用規格 [SPECIFICATION]

TESAC SPEC.

製品番号 [PRODUCT NO.] .....	P 01232-003	
ロープの構成 [CONSTRUCTION] .....	SUN WARRINGTON SEALE 6 × P-WS (31) IWRC RIGHT REGULAR LAY	
ロープの径 [NOMINAL DIA. OF THE ROPE]..	20 ( ACT. 20.85 )	mm
ロープの長さ [LENGTH] .....	155	m
種 別 [GRADE] .....	APPOINTED	
規定破断荷重 [SPECIFIED BREAKING LOAD]....	328	kN
実際破断荷重 [ACTUAL BREAKING LOAD] ....	340	kN
外 観 [APPEARANCE] .....	GOOD	
素線試験 [WIRE TEST] .....	GOOD	
備 考 [NOTE]		



INSPECTING SECTION

# TESAC

## ワイヤロープ証明書

### CERTIFICATE FOR STEEL WIRE ROPE

No. 619

2012.03.30

株式会社テザックワイヤロープ

二色浜製造所

TESAC WIRE ROPE CO., LTD.

NISHIKINOHAMA MANUFACTORY

本ワイヤロープは下記規格により検査し本記載通りの検査成績であることを証明致します。

We hereby certify that this steel wire rope is examined and tested strictly according to the under-mentioned specification at our works and we guarantee the quality of the article.

適用規格 [SPECIFICATION]	TESAC SPEC.
製品番号 [PRODUCT NO.] .....	L 3769
ロープの構成 [CONSTRUCTION] .....	OF IWRC 6XFi(29) C/O
ロープの径 [NOMINAL DIA. OF THE ROPE]..	34 (Act. 36.20) m
ロープの長さ [LENGTH] .....	7.100 m x 2
種別 [GRADE] .....	Appointed
規定破断荷重 [SPECIFIED BREAKING LOAD]....	1030 kN
実際破断荷重 [ACTUAL BREAKING LOAD] ....	1080 kN
外観 [APPEARANCE] .....	GOOD
素線試験 [WIRE TEST] .....	GOOD
備考 [NOTE]	
Part number .....	GK71A00005D1
Specified breaking load of end termination .....	1030 kN



INSPECTING SECTION



# TESAC

## ワイヤロープ証明書

### CERTIFICATE FOR STEEL WIRE ROPE

No. 620

2012.03.30

株式会社テザックワイヤロープ  
 三色浜製造所  
 TESAC WIRE ROPE CO., LTD.  
 NISHIKINOHAMA MANUFACTORY

本ワイヤロープは下記規格により検査し本記載通りの検査成績であることを証明致します。

We hereby certify that this steel wire rope is examined and tested strictly according to the under-mentioned specification at our works and we guarantee the quality of the article.

適用規格 [SPECIFICATION] TESAC SPEC.

製品番号 [PRODUCT NO.] ..... L 3770

ロープの構成 [CONSTRUCTION] ..... OF IWRC 6XF<sub>i</sub>(29) C/O

ロープの径 [NOMINAL DIA. OF THE ROPE].. 34 (Act. 36.20) m

ロープの長さ [LENGTH] ..... 3.050 m x 4

種別 [GRADE] ..... Appointed

規定破断荷重 [SPECIFIED BREAKING LOAD].... 1030 kN

実際破断荷重 [ACTUAL BREAKING LOAD] .... 1080 kN

外觀 [APPEARANCE] ..... GOOD

素線試験 [WIRE TEST] ..... GOOD

備考 [NOTE]

Part number ..... JJ71A00006D1

Specified breaking load of end termination ..... 1030 kN



INSPECTING SECTION

# TESAC

## ワイヤロープ証明書

### CERTIFICATE FOR STEEL WIRE ROPE

No. 621

2012.03.30

株式会社テザックワイヤロープ

二色浜製造所

TESAC WIRE ROPE CO., LTD.

NISHIKINOHAMA MANUFACTORY

本ワイヤロープは下記規格により検査し本記載通りの検査成績であることを証明致します。

We hereby certify that this steel wire rope is examined and tested strictly according to the under-mentioned specification at our works and we guarantee the quality of the article.

適用規格 [SPECIFICATION] TESAC SPEC.

製品番号 [PRODUCT NO.] ..... L 3771

ロープの構成 [CONSTRUCTION] ..... OF IWRC 6XF<sub>i</sub>(29) C/O

ロープの径 [NOMINAL DIA. OF THE ROPE].. 34 (Act. 36.20 ) m

ロープの長さ [LENGTH] ..... 6.100 m x 4

種 別 [GRADE] ..... Appointed

規定破断荷重 [SPECIFIED BREAKING LOAD].... 1030 kN

実際破断荷重 [ACTUAL BREAKING LOAD] .... 1080 kN

外 観 [APPEARANCE] ..... GOOD

素線試験 [WIRE TEST] ..... GOOD

備 考 [NOTE]

Part number ..... JJ71A00006D2

Specified breaking load of end termination .... 1030 kN



INSPECTING SECTION

# TESAC

## ワイヤロープ証明書

### CERTIFICATE FOR STEEL WIRE ROPE

No. 622

2012.03.30

株式会社テサックワイヤロープ  
 二色浜製造所  
 TESAC WIRE ROPE CO., LTD.  
 NISHIKINOHAMA MANUFACTORY

本ワイヤロープは下記規格により検査し本記載通りの検査成績であることを証明致します。

We hereby certify that this steel wire rope is examined and tested strictly according to the under-mentioned specification at our works and we guarantee the quality of the article.

適用規格 [SPECIFICATION] TESAC SPEC.

製品番号 [PRODUCT NO.] ..... L 3772

ロープの構成 [CONSTRUCTION] ..... OF IWRC 6XF<sub>i</sub>(29) C/O

ロープの径 [NOMINAL DIA. OF THE ROPE].. 34 (Act. 36.20) m

ロープの長さ [LENGTH] ..... 12.200 m x 6

種別 [GRADE] ..... Appointed

規定破断荷重 [SPECIFIED BREAKING LOAD].... 1030 kN

実際破断荷重 [ACTUAL BREAKING LOAD] .... 1080 kN

外観 [APPEARANCE] ..... GOOD

素線試験 [WIRE TEST] ..... GOOD

備考 [NOTE]

Part number ..... JJ71A00006D4

Specified breaking load of end termination .... 1030 kN



INSPECTING SECTION