

C23

A49



# INSPECTION CERTIFICATE

HEAD OFFICE : 6-1, MARUNOUCHI 2-CHOME, CHIYODA-KU.

TOKYO, 100-8071, JAPAN

SAKAI LARGE : 1, CHIKKOHAYATA-CHO, SAKAI-KU, SAKAI-SHI.

SHAPE MILL : OSAKA-PREF. 590-0901, JAPAN

CONTRACT No. : 6-820-D3-5-0-NW15

REFERENCE No. : JCE5-5A00292

CUSTOMER'S CONTROL No.(1) : \_\_\_\_\_

SHIPPER : MITSUI & CO. LTD.

CUSTOMER : \_\_\_\_\_

SHIP No. : \_\_\_\_\_

COMMODITY : WIDE FLANGE BEAMS

PROJECT NAME : \_\_\_\_\_

DATE OF ISSUE : OCT. 23, 2016

SPECIFICATION : ASTM A992-11

CERTIFICATE No. : 61023H015-014

### REMARKS :

1) TYPE OF STEEL : FULLY KILLED STEEL

SIZE	CUSTOMER'S CONTROL No. (2)	NUMBER OF PRODUCT	MASS KG	CAST No.	TEST No.	TENSILE TEST								BEND TEST	IMPACT TEST			
						7: GL= 8 INCH (RECT)									Charpy			
						Y.P.	YS	TS	EL	YIELD RATIO	REDUCTION OF AREA		AVG		INDIVIDUAL			
24"X12-3/4"X104LX40'		6	113222	6K9674	JF6610	FL7	58	78	29	74								
					JF6620	FL7	57	77	30	74								
		7	132096	L9222	JF7811	FL7	55	77	31	71								
					JF7821	FL7	57	77	30	74								
		4	7548	6K9669	JF6510	FL7	57	76	30	75								
					JF6520	FL7	58	76	30	76								
TOTAL		84	158508															
24"X12-3/4"X117LX40'		3	63699	6K8313	JF7910	FL7	55	77	28	71								
					JF7920	FL7	55	76	28	72								
		28	59444	6K9665	JF6910	FL7	56	76	28	74								
					JF6920	FL7	57	76	29	75								

NOTES :

E1 LOCATION F: FLANGE W: WEB C: CENTER

E2 ORIENTATION L: LONGITUDINAL C: TRANSVERSE  
Z: THROUGH THICKNESS

CAST No.	CHEMICAL COMPOSITION (%)														L: CAST ANALYSIS				P: PRODUCT ANALYSIS			
	C	SI	Mn	P	S	CU	NI	CR	MO	NB	V	SN	N	T-AL	Mn/c	CEO-1	CEO-2	Pm	TE-1	TE-2		
	X100	X100	X100	X1000	X1000	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	X100	
6K9674	18	34	113	18	5	1	2	4	0	1	0	0	2.0	7		38			1.0	1.0		
6L9222	18	33	111	12	6	2	2	3	0	1	0	0	2.1	14		37			1.0	1.0		
6K9669	18	32	109	13	6	1	2	4	0	1	0	0	1.7	8		37			1.0	1.0		
6K8313	18	33	110	2.0	7	1	2	4	1	1	0	0	1.6	10		38			1.0	1.0		
6K9665	18	34	110	13	6	1	2	3	0	1	0	0	1.7	8		37			1.0	1.0		

CEQ-1 = C+Mn/6 + (CR+MO+V)/5 + (NI+CU)/15  
TE-1 = NB+V

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE RULES OF THE CONTRACT.

*K Eda*  
KAZUHIKO EDA  
SENIOR MANAGER  
of QUALITY ASSURANCE DEPT.  
WAKAYAMA WORKS

MILL'S CONTROL No. : 09A

( E - 5 )

2A9M

IP24131044012

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