

INSPECTION CERTIFICATE

CERTIFICATE NO. :BYZF0971

PAGE : 1/3

DATE :2015-01-16

CUSTOMER :
ORDER NO. :14-1223
SHIPPER :SUMITOMO CORPORATION 057 KEN 9156/2 4P10S030701
COMMODITY :COUPLING WITH VAM TOP HC
STANDARD :API 5CT GROUP2 GR.L80-TYPE 1
SPECIFICATION :TSP-2860RF, TSP-2861R2
MILL WORK NO. :BYZF0971 O.D. :5-1/2inch W.T. :20.00lb/ft QUANTITY:70pcs. MASS:682kg
MATERIAL WORK NO. :BCFF3040

HEAT TREATMENT:QUENCHED & TEMPERED

CHEMICAL COMPOSITION (%)

		*1	C	Si	Mn	P	S	Cu	Cr	Ni	Al
						*2	*2				*2
SPEC. MIN.		R	-	-	-	-	-	-	-	-	-
MAX.		R	43	45	190	30	30	35	-	25	-
HEAT NO.		L	24	35	124	14	4	1	49	2	53
J4KA663		P	22	36	126	14	4	2	50	2	51
		P	22	37	126	14	4	2	50	2	52

*1 R:LADLE & PRODUCT ANALYSIS L:LADLE ANALYSIS P:PRODUCT ANALYSIS *2:X1000 OTHER:X100

TENSILE TEST

		*1	*2	YS	YS	TS	TS	EL				
				*3	*3	*3	*3	%				
SPEC. MIN.	HEAT-	L	B	P	80.0	M	552	P	95.0	M	655	15
MAX.	LOT NO.	L	B	P	95.0	M	655	P	-	M	-	-
HEAT NO.		L	B	P	89.5	M	617	P	106.3	M	733	28
J4KA663	001	L	B	P	89.8	M	619	P	106.5	M	734	27

TYPE OF SPECIMEN:ROUND BAR 0.5in. (12.7mm) DIAMETER *1 SAMPLING DIRECTION L:LONGITUDINAL
*2 SAMPLING POSITION B:BASE METAL *3 UNIT P:ksi M:MPa GAUGE LENGTH:2.0in. (50.8mm)
KIND OF YS:0.5% EXTENSION UNDER LOAD

IMPACT TEST(+32.0°F +0.0°C 2mm V-Notch 10X10)

		*1	*2	*3	*4	AVG	*3	*4	AVG						
SPEC. MIN.	HEAT-	T	B	E	F	*5	20	-	E	J	*5	27	-		
MAX.	LOT NO.	T	B	E	F	-	-	-	E	J	-	-	-		
				[1]	[2]	[3]			[1]	[2]	[3]				
HEAT NO.		T	B	E	F	105	105	109	106	E	J	142	143	148	144
J4KA663	001														
		*1	*2	*3	*4	AVG									
SPEC. MIN.	HEAT-	T	B	S	%	*6	-	-							
MAX.	LOT NO.	T	B	S	%	-	-	-							
				[1]	[2]	[3]									
HEAT NO.		T	B	S	%	89	92	89	90						
J4KA663	001														

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



Akihiro Maekawa
Reviewed and accepted this
document on 23 Jan. 2015
Page 1 of 3

J. Takano

TAKASHI TAKANO

GLOBAL SCS

HEAD OF DEPARTMENT
QUALITY ASSURANCE DEPARTMENT

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Fax. No. : +81-3-6867-4926 E-mail:pipe-ipp@jp.nssmc.com

NO. 380476K15



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[1] [2] [3]: SPECIMEN NO.
ABSORBED ENERGY *5:VALUE OF ONE PIECE AVG:AVERAGE VALUE OF ONE SET(3 PIECES)
SHEAR AREA *6:VALUE OF ONE PIECE AVG:AVERAGE VALUE OF ONE SET(3 PIECES)
*1 SAMPLING DIRECTION T:TRANSVERSE *2 SAMPLING POSITION B:BASE METAL *3 E:ABSORBED ENERGY S:SHEAR AREA
*4 UNIT F:ft·lbf J:Joule %:%

VISUAL & DIMENSIONS: ACCEPTABLE
MAGNETIC PARTICLE EXAMINATION
APPLICABLE STANDARD/REFERENCE STANDARD: API 5CT SEC. 9: ACCEPTABLE
I TIMS CONTRACT NO.
14-MSCT-11-085631

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J. Takano

TAKASHI TAKANO

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HARDNESS TEST(HRC)

		*1*2	*3	*4	*5												*V. A.		
SPEC. MIN. MAX.		B	C	-	-												-		
		B	C	-	23.0												-		
HEAT NO.	HEAT- LOT NO.	AVG.				OUTER WALL IMPRESSION NO.			MID WALL IMPRESSION NO.			INNER WALL IMPRESSION NO.							
		QUAD -RANT	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.	(1)	(2)	(3)	AVG.					
J4KA663	001	B	C	T	18.9	A	18.3	18.1	18.6	18.3	19.4	19.4	19.3	19.4	18.7	19.0	19.1	18.9	1.1
	001	B	C	B	18.3	A	18.8	18.3	18.8	18.6	18.9	18.9	18.4	18.7	17.4	17.4	17.4	17.4	1.3
			*ALL			18.6													
*1 SAMPLING POSITION B:BASE METAL *2 LOCATION C:CROSS SECTION *3 SAMPLING LOCATION T:TOP B:BOTTOM *4 EACH *5 AVERAGE *V. A. :VARIATION AVERAGE MAX.-MIN. * ALL:ALL AVG.																			

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T. Takano

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